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MAYOR.

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CLEVELAND, O.

19772

REPORTS
OF
THE DEPARTMENTS
OF THE GOVERNMENT OF THE
CITY OF CLEVELAND
FOR THE
YEAR ENDING DECEMBER 31, 1879,
TOGETHER WITH
The Annual Message of Hon. R. R. Herrick, Mayor.

PUBLISHED BY ORDER OF THE CITY COUNCIL.

CLEVELAND, O.:
WISEMAN & HARVEY, PRINTERS, 106 SENECA STREET.
1880.



CITY GOVERNMENT
OF THE
CITY OF CLEVELAND.

MAYOR,
HON. R. R. HERRICK.

CITY CLERK,
W. H. ECKMAN.

CITY SOLICITOR,
WILLIAM HEISLEY.

CITY AUDITOR,
HENRY FORD,

CITY TREASURER,
S. T. EVERETT.

CITY CIVIL ENGINEER,
B. F. MORSE.

STREET COMMISSIONER,
FRANK REILLY.

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THE CITY COUNCIL.

GEO. W. GARDNER, PRESIDENT.
N. A. GILBERT, PRESIDENT PRO-TEM.

W. H. ECKMAN, CLERK.

ASSISTANTS:
JNO. VANEK, J. C. DELAMATER, MISS S. A. BARTLETT.
FRANK HARRIS, PAGE.

| Wards. | NAMES. | Elected. | NAMES. | Elect'd. |
|----------|----------------------------|----------|------------------------|----------|
| 1st ... | Chas. Burnside..... | 1879 | T. M. Warner..... | 1880 |
| 2d..... | David Morison | 1879 | Geo. W. Gardner..... | 1880 |
| 3d..... | C. C. Schellentrager | 1879 | D. R. Tilden, Jr.... | 1880 |
| 4th..... | P. M. Spencer..... | 1879 | E. Decker..... | 1880 |
| 5th..... | Thos. Reilley..... | 1879 | A. B. Halliwell..... | 1880 |
| 6th..... | J. B. Glenn..... | 1879 | N. A. Gilbert..... | 1880 |
| 7th..... | H. Bowley..... | 1879 | Arthur Devine | 1880 |
| 8th..... | E. Cowley | 1879 | D. J. Lawler | 1880 |
| 9th..... | J. C. Ferbert..... | 1879 | Henry D. Purdy..... | 1880 |
| 10th.... | G. L. Luce..... | 1879 | J. H. Bradner..... | 1880 |
| 11th.... | Milton A. Gross..... | 1879 | William Jenkins..... | 1880 |
| 12th.... | Henry Hoffman..... | 1879 | Horace S. Kellogg..... | 1880 |
| 13th.... | Theo. F. Branch..... | 1879 | J. M. Curtiss..... | 1880 |
| 14th.... | T. G. Clewell..... | 1879 | Wm. Harrison..... | 1880 |
| 15th.... | A. A. Axtell | 1879 | J. Y. Black | 1880 |
| 16th.... | A. K. Spencer..... | 1879 | H. Clark Ford | 1880 |
| 17th.... | W. F. Walworth | 1879 | Chas. A. Post | 1880 |
| 18th.... | W. H. Lamprecht..... | 1879 | M. J. DeCelle..... | 1880 |

STANDING COMMITTEES, 1880-81.

| | |
|-----------------------------------|--|
| Appropriation..... | Branch, Reilley, P. M. Spencer. |
| Bathing and Bathing Houses | Schellentrager, Glenn, Branch. |
| Breakwater | Harrison, Luce, Black. |
| Carriages and Express Wagons..... | Devine, Morison, Jenkins. |
| City Property..... | Curtiss, Glenn, Morison. |
| Claims | Curtiss, Schellentrager, Post. |
| Department Examination..... | P. M. Spencer, Walworth, Post. |
| Elections..... | Black, Kellogg, Lamprecht. |
| Finance..... | A. K. Spencer, Gilbert, Lamprecht. |
| Fire and Water..... | Warner, Devine, Purdy. |
| Harbors and Wharves..... | Luce, Ferbert, Gross. |
| House of Correction | Walworth, Halliwell, DeCelle. |
| Health and Cleanliness..... | Bradner, Devine, Axtell. |
| Infirmary..... | Clewell, Bowley, Harrison. |
| Judiciary | Gilbert, Reilley, Ford. |
| Legislation..... | A. K. Spencer, P. M. Spencer, Gilbert, Ex-Officio. |
| Lighting..... | Reilley, Hoffman, Clewell. |
| Markets..... | Burnside, Ferbert, Curtiss. |
| Military Affairs | DeCelle, Gilbert, Lawler. |
| Ordinances..... | Tilden, A. K. Spencer, Ford. |
| Parks and Public Grounds..... | Purdy, Halliwell, Clewell. |
| Police..... | Kellogg, Lawler, Burnside. |
| Printing..... | Glenn, Decker, Warner. |
| Public Buildings..... | Axtell, P. M. Spencer, Lawler. |
| Public Offices and Officers | Jenkins, Burnside, Bowley. |
| Railroads..... | Gross, Bowley, Tilden. |
| Rules..... | Walworth, Warner, Decker. |
| Schools | Ford, Gross, DeCelle. |
| Streets..... | Morison, Axtell, Cowley. |
| Street Railroads | Lamprecht, A. K. Spencer, Halliwell. |
| Viaduct and Canal Lands..... | Hoffman, Post, Bradner. |
| Water Works..... | Ferbert, Cowley, Branch. |
| Taxes and Assessments..... | Decker, Schellentrager, Curtiss. |

DEPARTMENTS. 1880.

BOARD OF IMPROVEMENTS.

HON. R. R. HERRICK, PRESIDENT, EX-OFFICIO.

DAVID MORISON,
CHAIRMAN COM. ON STREETS.

W. H. HAYWARD,
CITIZEN MEMBER.

B. F. MORSE,
CIVIL ENGINEER.

FRANK REILLY,
STREET COMMISSIONER.

W. E. SHERWOOD, CLERK.

Regular Meetings on Monday and Friday, at 10 A. M. •

POLICE.

BOARD OF COMMISSIONERS.

HON. R. R. HERRICK, PRESIDENT EX-OFFICIO.

LOUIS HAUSHEER,
GEORGE W. SHORT,

JAMES R. SPRANKLE
WILLIAM GABRIEL.

THOMAS KING, SECRETARY.

Regular Meetings of the Board on first and third Tuesday of each month.

J. W. SCHMITT, SUPERINTENDENT.

JAS. MCMAHON, SR. CAPTAIN.

H. HOEHN, JR. CAPTAIN.

H. HOLZWORTH, DETECTIVE CAPTAIN.

W. B. REZNER, HEALTH OFFICER.

PETER F. YOUNG, POLICE JUDGE.

A. H. LEWIS, PROSECUTOR.

WM BAXTER, CLERK

R. M. CORDES, ASST. CLERK.

J. W. FRANCISCO, ASST. CLERK.

FIRE.

BOARD OF COMMISSIONERS.

GEORGE GLOYD, PRESIDENT.

T. M. WARNER, CHAIRMAN COMMITTEE ON FIRE AND WATER.

Citizen Members:

F. H. KAUFHOLZ,

H. L. MELTON,

JOS. SLAGHT.

A. J. SPENCER, SECRETARY.

Regular meetings of the Board on the second and third Thursdays of each Month at 7:30 P. M.

JOHN BENNETT, CHIEF.

JAS. DICKINSON,

H. H. REBBECK,

JOS. SPEDDY,

FIRST ASST. CHIEF.

SECOND ASST. CHIEF.

THIRD ASST. CHIEF.

PARKS.

Board of Commissioners.

DR. A. EVERETT, PRESIDENT.

J. H. WADE.

W. H. ECKMAN, CLERK.

J. H. SARGENT.

Board meets at the call of the President.

WATER WORKS.

Board of Trustees.

TRUMAN DUNHAM, PRESIDENT,

W. H. LUTTON.

H. C. HAWKINS, SECRETARY.

S. W. SESSIONS.

JOHN WHITELOW, SUPERINTENDENT AND ENGINEER.

Board meets on the fifth of each month.

WORKHOUSE AND HOUSE OF CORRECTION.

Board of Directors. ●

HARVEY RICE, PRESIDENT.

J. H. WADE, VICE PRESIDENT.

S. C. BROOKS,

GEORGE H. BURT,

WILLIAM EDWARDS.

W. D. PATTERSON, SUPERINTENDENT.

JOHN A. MCINTOSH,

ALEXANDER MCBANE,

DEPUTY SUPT. WORKHOUSE.

DEPUTY SUPT. REFUGE DEPT.

MRS. MARGARET A. PATTERSON, MATRON.

ALEXANDER MCBANE,

W. S. ABBOTT,

TEACHERS OF REFUGE SCHOOLS.

Board meets on the first Tuesday of every Month at 2:30 P. M.

INFIRMARY.

Board of Directors.

WILLIAM CUBBON, PRESIDENT.

GEO. KEIFFER.

J. C. BARTLETT.

JACOB BLUIM, CLERK.

JAS. CHRISTIAN, SUPT.

THOS. ROME, STEWARD.

B. W. HOLLIDAY, PHYSICIAN.

MRS. THOS. ROME, MATRON.

Regular Meeting of Board first Tuesday of each Month.

CEMETERY TRUSTEES.

JAMES PARKER, PRESIDENT.

G. A. HYDE, TREASURER.

L. W. BAILEY, SECRETARY.

JACOB MEYER.

Board meets first Monday in each month.

JNO. E. COLE,
SUPT. WOODLAND CEMETERY.

E. M. BISHOP,
SUPT. ERIE ST. CEMETERY.

VALENTINE WORTH, SUPT. MONROE ST. CEMETERY.

JAS. MCGUFFY, SUPT. 18TH WARD CEMETERY.

SINKING FUND COMMISSIONERS.

H. B. PAYNE, PRESIDENT.

W. BINGHAM. CHAS. HICKOX. J. H. WADE. S. T. EVERETT.

H. C. HAWKINS, SECRETARY.

BOARD OF REVISION.

HON. R. R. HERRICK. GEO. W. GARDNER. WM. HEISLEY.

MARKETS.

C. BECK, SUPERINTENDENT

GEO. A. MCKAY, CITY SEALER.

HARBORS AND WHARVES.

CAPT. JNO. KIRBY, HARBOR MASTER.

CAPT. GEO. WARNER, PORT WARDEN.

ANNUAL MESSAGE

OF THE

MAYOR

TO

THE CITY COUNCIL,

DELIVERED APRIL 19, 1879.

Hon. R. R. Herrick, Mayor.

Mayor's Annual Message.

Gentlemen of the Council:

One year ago the people of Cleveland placed in our hands the government of this municipality. To-day they require of us an account of our stewardship.

With the statement we are able to present, as well as with the present character and condition of that government, we may feel a reasonable satisfaction. While our management of municipal affairs during the past year may be in some respects open to criticism, I am convinced that it has, as a whole, been successful. Aside from the information which it conveys to our constituents, I regard it as eminently proper that at the close of each year there should be an accounting of all municipal matters in order that we may know exactly how they stand, and a review of the administration of the past year—so that profiting by experience, we may be able to regulate better the conduct of affairs in the future.

I am convinced that the retiring Council and the various Boards and Officers of the several departments, each and all, have performed well their respective duties. They have exhibited an earnest desire to retrench in expenditures. Their labors have been unselfish, faithful and untiring, and have been crowned with good results. For the first year during more than a decade the indebtedness of the city has not been increased, but on the contrary the general and special debt have been reduced in the sum of \$738,241 14. This result has been accomplished too with a lower rate of levy than for any year within the past eight years, upon a valuation of property but about \$400,000

greater than the valuation for 1878 and nearly \$3,000,000 less than for any other year since 1873. It is the direct result of the exercise of judicious economy throughout all the departments, and is most acceptable to our people because it comes at a time when they are recovering from the financial embarrassments and difficulties of the past. The Great Ruler of all governments and people has preserved our city and country from the scourge of famine, plague and conflagration. He has given to us abundant harvests ; our merchants and tradesmen have been blessed with vigorous business health ; our manufacturing industries are prosperous ; the artisan and laborer are employed at fair wages, and I feel justified in saying that at no period of her history has Cleveland given stronger indications of rapid growth than at this time.

With a proper acknowledgment of all external circumstances, that have conduced to our present prosperous condition, I come to a consideration of the results of our own efforts. The following tables compiled from the full and able reports of the several departments will be found of interest. The funds of the city from which all expenditures are made—except the School and Special Improvement funds—the receipts and disbursements of each for 1879, and the balances on hand January 1, 1880, are shown in the following table :

TABLE No. 1.
RECEIPTS AND DISBURSEMENTS.

| NAME OF FUND. | Rec'pts, Inclu- ding Bal. on hand Jan. 1, '79 | Disburse- ments. | Balance on hand, January 1, 1880. |
|-----------------------------|---|---------------------|---|
| Armory Fund..... | \$ 22,000 00 | \$ 14,174 66 | \$ 7,825 34 |
| Bridge Fund..... | 30,861 58 | 30,004 03 | 857 55 |
| Cemetery Fund..... | 10,664 31 | 7,016 01 | 3,648 30 |
| Canal Fund..... | 7,259 35 | 6,300 21 | 959 14 |
| | | | } Overdrawn |
| Dredging Fund..... | 40,664 11 | 42,162 64 | (1,498 53 |
| Fire Department Fund..... | 165,735 92 | 151,792 99 | 13,942 93 |
| General Fund..... | 129,424 46 | 117,062 32 | 12,362 14 |
| House of Correction Fund... | 120,236 90 | 97,330 73 | 22,906 17 |
| Infirmity Fund. | 78,170 77 | 40,447 46 | 37,723 31 |
| Interest Fund..... | 423,071 09 | 419,055 25 | 4,015 84 |
| Lighting Fund..... | 105,912 08 | 86,211 00 | 19,701 08 |
| Market Fund..... | 53,155 64 | 47,050 50 | 6,105 14 |
| Police Court Fund..... | 10,251 77 | 9,406 94 | 844 83 |
| Police Department Fund..... | 151,420 46 | 143,027 35 | 8,393 11 |
| Park Fund..... | 10,339 84 | 7,338 75 | 3,001 09 |
| Street Department Fund..... | 79,700 44 | 75,037 26 | 4,663 18 |
| Sinking Fund..... | 80,895 13 | 60,000 00 | 20,895 13 |
| Viaduct Fund..... | 175,719 05 | 173,227 74 | 2,491 31 |
| Water Works Fund..... | 217,191 71 | 169,669 29 | 47,522 42 |
| Bills Payable..... | 3,000 00 | 3,000 00..... | |
| Sinking Fund of '63..... | 2,354,392 50 | 425,650 00 | 1,928,742 50 |
| Viaduct Sinking Fund..... | 318,297 24 | ..... | 318,297 24 |
| | \$4,588,364 35 | \$2,124,965 13 | \$2,464,897 22 |

Thus it will be seen that the entire monied resources of the city for 1879, estimating the assets of the several Sinking Funds at par was \$4,588,364 35, the disbursements \$2,124,965 66; and the balance on hand January 1, 1880, \$2,464,897 22; also that all except the Dredging Funds are in credit.

Table No. 2 presents an analyzed statement of the disbursements from the general funds of the City Government. The total disbursements from these funds it will be seen amount to \$1,023,557 27, the ordinary expenses were \$851,944 32; also that the sum of \$84,995 73 was transferred from these to other funds and were not in fact expenditures, although of course they must appear as such in the accounts kept with the funds. The absolute disbursements of this money appear in the account with the funds to which the transfers were made. Deducting this amount from the total as appears in the table, and we have \$938,561 54, as the amount of the real disbursements from these funds. The table shows further that \$86,617 22 only were expended for other than the ordinary expenses of the City Government.

Bridge Fund
Cemetery Fund
Dredging Fund
Fire Department
General Fund
House of Commons
Infirmary Fund
Lighting Fund
Market Fund
Police Court
Police Department
Park Fund.
Street Fund.
Water Works

To the above add the amount

| | |
|----------------------------|--------------|
| Paid from Armory Fund..... | \$ 14,174 66 |
| “ “ Canal Fund..... | 6,300 21 |
| Interest Fund..... | 419,055 25 |
| Sinking Funds..... | 485,650 00 |
| Viaduct..... | 173,227 74 |
| Bills Payable..... | 3,000 00 |

Total.....\$1,101,407 86

and we have \$2,124,965 13, the amount of disbursements as shown by Table No. 1.

If now to this be added the following sums paid on account of special improvements, to wit:

| | |
|-----------------------------|--------------|
| On the Special Debt..... | \$795,721 58 |
| On Refunded Taxes..... | 133,489 15 |
| On Transfers..... | 79,454 78 |
| On Certified Estimates..... | 1,183 95 |

Total.....\$1,009,849 46

we have \$3,134,814 39, the total amount of disbursements for 1879, as shown by the Auditor's Annual Report, plus the disbursements by the Sinking Fund Commissioners for ordinary expenses and payment on Water Works bonds.

TABLE No. 3.

DEPARTMENTS THAT ARE SELF-SUSTAINING.

| | Ordinary Expenses. | Other Disbursements. | Total |
|---------------------------|--------------------|----------------------|--------------|
| Water Works..... | \$119,653 88 | \$50,015 41 | \$169,669 29 |
| House of Correction | 92,905 26 | 4,425 47 | 97,330 73 |
| Police Court..... | 9,061 30 | 345 64 | 9,406 94 |
| Markets..... | 10,396 52 | 36,653 98 | 47,050 50 |
| Totals..... | \$232,016 96 | \$91,440 50 | \$323,457 46 |

By a comparison of Tables Nos. 2 and 3 it will be seen that the amount to be provided for ordinary expenses of the City Government, if the disbursements do not exceed those of last year is \$619,927 36, and for all general purposes \$700,099 81. If we had nothing to provide for but the running expenses of the City Government, including such expenditures as might be necessary to add to, repair or otherwise improve the various departments of the city, the whole tax levy for State, County and City (including School) purposes need not then exceed 18 mills, whereas now it is 25.4 mills.

The following table shows the valuation of the taxable property of the city for the past seven years, the rate of levy for all purposes, the rate of levy for ordinary expenses since 1875, and the proceeds arising from each :

TABLE No. 4.

| Year | Valuation. | Rate of Levy for Ordinary Expenses. | Rate of Levy for Entire Expenses. | Proceeds of Levy for Or- din'y Expen's | Proceeds of Levy for En- tire Expenses |
|------|--------------|---|---|--|--|
| 1873 | \$69,144,682 | ..... | 16.55 | ..... | \$1,144,344 49 |
| 1874 | 73,210,144 | ..... | 18.65 | ..... | 1,365,369 19 |
| 1875 | 73,305,277 | 12.25 | 18.75 | \$871,049 94 | 1,374,473 94 |
| 1876 | 73,562,237 | 11.25 | 18.75 | 802,747 91 | 1,379,291 94 |
| 1877 | 71,296,122 | 9.65 | 17.85 | 667,367 41 | 1,272,635 78 |
| 1878 | 70,139,639 | 9.315 | 15.35 | 653,363 75 | 1,076,643 46 |
| 1879 | 70,548,104 | 8 | 15.05 | 564,384 83 | 1,061,748 97 |

From this table it will be seen

1st. That from 1873 to 1876 there was a gradual increase in the valuation of city property, reaching its maximum in the latter year; that since that date it has fallen off over \$3,000,000.

2ndly. That notwithstanding this falling off in valuation there has been a gradual reduction in the rate of the tax levy for ordinary expenses amounting to 3.25 mills, or \$238,363 08, and for all purposes to 3.7 mills or \$317,542 97.

3rdly. That the ordinary expenses of the city are but a trifle over one-half of the entire disbursements.

The conclusions to be deduced from this showing are, that

the City Government has been for several years past conducted in a prudent and economical manner, and that had we years ago observed that wise maxim, "pay as you go," we would not be taxed as heavily as we now are. The principal cause for complaint that at present exists, arises on account of the necessity we are under of providing by annual levies for the payment of the interest and maturing principal of our outstanding liabilities

Our general indebtedness has been gradually increasing for many years past, but I am happy to state that in the year 1879 it not only was not increased but was greatly diminished.

The following table shows the General and Special bonded debt of the city on the 1st day of January, for the past eight years.

TABLE No. 5.

| Year | General Bonds. | Special Bonds. | Total. |
|-----------|----------------|----------------|----------------|
| 1873..... | \$3,447,592 75 | ..... | ..... |
| 1874..... | 3,967,000 00 | \$1,216,600 00 | \$5,183,600 00 |
| 1875..... | 4,709,000 00 | 2,552,000 00 | 7,261,000 00 |
| 1876..... | 5,160,000 00 | 2,937,900 00 | 8,097,900 00 |
| 1877..... | 5,577,000 00 | 3,027,900 00 | 8,604,900 00 |
| 1878..... | 6,061,000 00 | 2,993,164 00 | 9,054,164 00 |
| 1879..... | 6,678,000 00 | 2,606,100 00 | 9,284,100 00 |
| 1880..... | 6,201,000 00 | 2,390,100 00 | 8,591,100 00 |

The management of the city's debt during the past year was as follows:

GENERAL BONDS OUTSTANDING JAN. 1, 1879.

| | |
|--------------------------|--------------------|
| Water Works..... | \$1,700,000 |
| Funded Debt..... | 1,509,000 |
| Infirmary..... | 54,000 |
| Dredging..... | 100,000 |
| Park..... | 315,000 |
| Canal..... | 272,000 |
| Viaduct..... | 2,135,000 |
| House of Correction..... | 184,000 |
| School..... | 409,000 |
| | <u>\$6,678,000</u> |

GENERAL BONDS ISSUED IN 1879.

| | |
|------------------|----------|
| Funded Debt..... | \$25,000 |
| Canal..... | 3,000 |
| | <hr/> |
| | \$28,000 |

GENERAL BONDS PAID IN 1879.

| | |
|--|------------|
| Water Works..... | \$425,000 |
| Infirmary..... | 6,000 |
| Dredging..... | 20,000 |
| School..... | 54,000 |
| | <hr/> |
| | \$505,000 |
| Total decrease in 1879..... | \$ 477,000 |
| Total outstanding January 1, 1880..... | 6,201,000 |

SPECIAL INDEBTEDNESS.

BONDS OUTSTANDING JANUARY 1, 1879.

| | |
|-------------------------|-------------|
| Street Improvement..... | \$ 953,200 |
| Street Damages..... | 1,066,800 |
| Main Sewer..... | 586,100 |
| | <hr/> |
| | \$2,606,100 |

BONDS ISSUED IN 1879.

| | |
|-----------------------|-----------|
| Street Opening..... | \$201,900 |
| Street Improvement... | 190,400 |
| Sewer Bonds..... | 5,900 |
| | <hr/> |
| | \$398,200 |

BONDS PAID IN 1879.

| | |
|-------------------------|-----------|
| Street Improvement..... | 312,300 |
| Street Damages..... | 203,400 |
| Main Sewer..... | 98,500 |
| | <hr/> |
| | \$614,200 |

| | |
|---|-------------|
| Special Debt Outstanding January 1, 1880..... | \$2,390,100 |
|---|-------------|

| | |
|--|-----------|
| Amount of decrease during 1879..... | \$216,000 |
| Amount of decrease in general bonds during 1879..... | 477,000 |

| | |
|---------------------|-----------|
| Total decrease..... | \$693,000 |
|---------------------|-----------|

TOTAL INDEBTEDNESS IN ALL FORMS JANUARY 1, 1880.

| | |
|---|----------------|
| General bonds outstanding..... | \$6,201,000 00 |
| Special bonds outstanding..... | 2,390,100 00 |
| | <hr/> |
| | \$8,591,100 00 |
| Certified Estimates..... | 16,615 04 |
| Temporary loans from other funds to meet special bonds as in- | |
| dicated by overdrawn accounts..... | 143,880 66 |
| For Pelton Park..... | 50,000 00 |
| | <hr/> |
| | \$8,801,595 70 |
| Total debt January 1, 1879..... | \$9,539,836 84 |

This shows a decrease of indebtedness in all forms during the past year of \$738,241 14.

Our general debt, however, will in all probability be greatly increased this year. The action of the Supreme Court of the State in perpetually enjoining the collection of taxes levied upon the property benefited, to pay the cost and expense of special improvements has rendered void the assessments made for the improvement of about twenty (20) different streets, and made a re-assessment necessary.

The Boards appointed by the City Council to make a portion of these re-assessments have reduced the amounts placed upon the benefited property below the original assessment about \$306,321 53. This entire sum will, as these assessments have been confirmed, be added to the general debt of the city. The question now arises, how shall we take care of this vast increase? Two hundred and eighty-seven thousand two hundred dollars of the special bonds issued on account of these very improvements fall due this year. How shall they be met? Shall we issue more general bonds or shall we provide in some other manner for their payment? This state of affairs was foreseen soon after the various boards began the work of re-assessment. It then occurred to me that it would probably be better to apply a portion of the Water Works Sinking Fund towards the liquidation of that debt as it falls due, than

to continue to foster it and pay interest on the debt. A consultation soon after with the Sinking Fund Commissioners confirmed that idea. They agreed if the City Council would so direct, to apply sufficient of the money in their hands to the credit of this Sinking Fund, to the cancellation of so much of this debt as was in this manner thrown upon the General Fund, as it becomes due. They concurred with me as to the advisability of such action for the following reasons :

1st. Because there are no absolutely safe securities in which the money of the Sinking Fund can be invested that will bring in as great interest as the city pays upon its bonds.

2ndly. Because the improvements to pay for which the money will be expended, are nearly all within the limits of the first seven wards, and hence its application will be in strict conformity with the terms of the contract of annexation between the city of Cleveland and Ohio City, and will at the same time render a general benefit.

From the report of the Commissioners for 1879 it appears that the net income from this Sinking Fund for that year was \$123,076 97, and the par value of the assets January 1st, 1880, \$1,928,742 50.

This fund is pledged for the payment of \$475,000 of the Water Works Bonds falling due in installments as follows : \$75,000 in 1880, \$100,000 in 1881, and \$300,000 in 1884. Estimating the net increase of the fund for 1880 at as much as for the past year, there would still remain after payment of the \$75,000 of Water Works bonds and the special bonds above referred to \$1,689,619 47 to the credit of the fund. Thus it will be seen that the money making power of this fund would remain substantially unimpaired, while the city would be relieved of the necessity of either issuing more general bonds and providing for the interest, or adding largely to this year's levy in order to meet the payment of the special bonds now outstanding. There will then remain of the special debt to be borne by the city, on account of the re-assessment now made

for these improvements only about \$21,121 53. I therefore earnestly recommend that your Honorable Body act at once in this matter, and, in conjunction with the Commissioners, make provision for the cancellation of the bonds above specified from money in the Sinking Fund.

PUBLIC IMPROVEMENTS

The reports of the Board of Improvements and City Civil Engineer for 1879 show that no extensive public improvements have been made or entered upon during the past year.

From the Engineer's report it appears that the total cost of all work done under his supervision was \$92,214 64. This contrasts strikingly with the expenditures of other years, some of which were as follows :

| | |
|---------------|----------------|
| For 1875..... | \$1,191,847 24 |
| For 1876..... | 920,111 09 |
| For 1877..... | 626,359 28 |
| For 1878..... | 489,379 77 |

The total cost of all the improvements made under the direction of the engineer's department from April 1st, 1869, to January 1st, 1879, a period of nine years and nine months, was \$7,272,087 14.

All large improvements ceased with the completion of the Viaduct in the early part of 1879, since which time we have been taking an absolute rest, and endeavoring to recuperate as much as possible by the time the growth of the city and increased business demands shall require a further outlay. While, however, we are endeavoring to reduce expenditures to the lowest possible figures consistent with good government, we must be careful not to draw the reins so tightly as to interfere with or retard the development of the city in any particular, or so as not to provide for the health and comfort of her citizens.

A prime necessity of the present time is that adequate provision be made for deepening Cuyahoga river and keeping it

clear of bars and other obstructions. The present lake shipping is much larger, as well as more numerous, than it was several years ago, and the tendency is still towards the construction of large craft. This of necessity requires a deeper channel in which to float them. The channel of Cuyahoga river was found during the past year too shallow in some places to permit the free passage of our largest vessels, and the consequence was they were greatly deterred in transacting their business. No words are necessary to express the harmful effects which such occurrences have upon our shipping interests and upon our city.

When so much of a city's prosperity depends upon the commerce of her port, it would be poor economy to fail to furnish adequate facilities to accommodate all vessels which may visit her, when it can be done without an exorbitant outlay of money. The City Civil Engineer states in his report for 1879 that \$30,000 will be required to dredge the river this season, in order that it may be in a condition to accommodate this branch of our commerce.

I recommend a thorough investigation into the matter by your Honorable Body, and that sufficient means be furnished to make our river and harbor facilities equal to all the demands upon it.

Other improvements to which I desire to call your attention are the re-pavement of some of our streets. The Board of Improvements last February submitted a list of streets, ten in number, which in its opinion would require to be repaved in the near future, and requested that ordinances be passed at once levying and providing for the collection of a tax upon the property abutting upon each street, to pay the cost and expense of such repaving when done. It is absolutely necessary that provision be made without unnecessary delay for the performance of this work. The pavement on some of the streets named in the list submitted by the Board is already so much worn as to make it a matter of serious doubt whether it will

last while a tax for repaving is being collected. It is well known that under the "Burns Law," as interpreted by the City Solicitor—no improvement can be made, nor any contract therefor entered into, until there is money in the proper fund to meet the necessary expense, nor can bonds be issued and sold for the purpose of raising that money. But two things therefore remain to be done. You must either raise the money by taxation at once, and when obtained enter upon the improvement, or you can wait until the pavements are entirely worn out, and then petition the Legislature for the repeal of the Burns Law, and if granted issue bonds and procure the necessary means by the sale of them.

That you will forget the lesson learned at so great a cost during the last ten years, and pursue the latter course I have no fears, and hence shall look for the immediate passage of the necessary ordinances providing for the assessment and collection of taxes sufficient to meet the requirements of the contemplated improvements.

Just in this connection I desire to make a few observations concerning the kind of material to be used in the pavement of our streets, and the relative positions of the city and the property owner upon the question of the right to determine the kind of material to be used in any given case. From the elaborate and very valuable report of the Street Commissioner for 1879, I have compiled the following table :



TABLE 1.

| Date when pavem't. was laid. | STONE. | | | | WOOD. | | | |
|--|------------------|-----------|------------|-------|------------------|------------|----------|------|
| | Cost of Repairs. | | | | Cost of Repairs. | | | |
| | Feet. | In 1878. | In 1879. | | Feet. | In 1878. | In 1879. | |
| 1860 and prior..... | 5820 | \$ 224 94 | \$1,076 70 | | | | | |
| 1861 and 1863 | | | 984 79 | | | | | |
| 1864..... | 3936 | | 214 17 | | | | | |
| 1865..... | 2338 | 256 05 | 589 74 | | | | | |
| 1866..... | 1749 | | 19 81 | | | | | |
| 1867..... | 12128 | | 1,718 95 | 2419 | | 1,095 96 | | |
| 1868..... | 3895 | | 1,583 62 | 3103 | 805 38 | 1,137 23 | | |
| 1869..... | 8957 | | 388 67 | 2151 | 1,143 25 | 430 92 | | |
| 1870..... | 4754 | 20 91 | 833 13 | 14640 | 1,899 98 | 2,299 49 | | |
| 1871..... | 6890 | | 5 04 | 1116 | 80 71 | 1,687 78 | | |
| 1872..... | 5911 | | 285 19 | | | | | |
| 1873..... | 10648 | | 130 75 | | | | | |
| 1874..... | 12156 | | | | | | | |
| 1875..... | 13914 | 18 48 | | 11865 | | | | 8148 |
| 1876..... | 4027 | 362 19 | | | | | | 454 |
| 1877..... | 4983 | | | | | | | |
| 1878..... | 3211 | | | | | | | |
| | | \$ 882 57 | \$7,830 56 | | \$3,929 32 | \$6,651 38 | | |
| For repairs with cedar blocks throughout the city..... | | | | | \$ 377 70 | | | |

FILE No. 5

[illegible]

From the amount charged to repairs of stone paved streets \$3,001 43 should be deducted as that amount was expended in replacing the pavement where railroad tracks had been removed through South Water, Center, Detroit and Elm streets. Thus we see that in the past two years \$34,456 54 has been expended in repairs of paved streets, and upon the different kinds of pavement as follows :

| | | | |
|---------------------------|---|-------------|------------------------|
| Stone, 17.64 miles, | - | \$ 5,711 70 | or \$ 425 83 per mile. |
| Wood. 10.1 miles, | - | 10,918 40 | " 1,081 03 " |
| Wood & Stone 14.21 miles. | | 8,680 95 | " 610 90 " |
| Concrete, 2.2 miles | - | 5,092 34 | " 2,314 70 " |
| Con'te & Stone 1.2 miles, | | 2,011 72 | " 1,676 43 " |

The repairs on streets paved with stone and wood, and with stone and concrete were made wholly upon the wood and concrete portions. The deductions irresistibly drawn from the above figures are so conclusive against wood and especially against concrete, as material for pavement that comment seems unnecessary. They all point to stone as the only material fit for use, at least upon streets traveled by heavily laden teams. It has been the custom heretofore to allow the owners of the property upon each street to select the kind of material to be used in paving it. This privilege has been granted as a matter of right, for the reason that since they had to pay for the pavement as originally laid, and also wherever relaid after the prior pavement was worn out, they ought to be permitted to choose for themselves the kind of material to be used. This reasoning seems sound and can be urged with effect so long as the present custom prevails.

I recommend however that a change be now inaugurated which shall place the whole control of this matter in the hands of the City Government. This I think may be rightfully done by the adoption of the following policy:

Let it be understood that whenever a street has been once paved with material selected by the City authorities, it will

thereafter be cared for and kept in good condition by the City. This will remove the argument above recited of the property owners and justify the city in determining the kind of pavement to be laid in every instance. This should be done as a matter of justice to the owners of property upon a street as well as to the City at large. The former should pay for the original pavement as they are principally benefited by it in the increased value given thereby to their lands, but for each subsequent repavement no proportionate benefit accrues.

The City at large is also benefited by the pavement of its streets, and its citizens contribute more or less to wearing it out. As a general thing the owners of abutting property cannot be said to use the pavement upon any street more than a small fractional part as much as the people at large and hence it is unjust to require them to keep it up. The taxpayers of the city would not be making more than an adequate return for benefits received by contributing their proportion of a general levy to repave and keep in repair all streets once paved by the owners of abutting property. Such a course would throw all responsibility for the condition of our streets upon the City authorities where it belongs, and I am convinced that at least, as long as the experience of the last few years is fresh in their minds, we will not be afflicted with pavements of the character of some of the present ones. Permit me to add just here a few words concerning the Board of Improvements, upon whose recommendation and under whose supervision all public improvements are made.

The duties of the Board are at all times numerous and often arduous. The work done under its direction requires that the City Civil Engineer as a member thereof shall be active, industrious, experienced and well versed in the science and art of engineering. Upon his skill, judgment and honesty great reliance must be placed, for upon him devolves the supervision of all the City bridges and other public structures, the construction of large improvements, the surveying and platting of

City property and the establishment of grade and boundary lines wherever required. On no single member of the Board is more responsibility necessarily thrown than on him.

It requires also that the Street Commissioner, as a member, shall be no less active, industrious and honest, for in the care of our streets, involving the yearly expenditure of from \$50,000 to \$75,000, he has the chief supervision, and negligence, dishonesty or incompetency on his part, might result, not only in serious inconveniences, but in absolute loss or injury to the City.

The other members should be practical men of ripe experience, keen discernment and sound judgment, who as citizens and taxpayers are alive to the interests of the City, and while desirous to promote that interest, are equally solicitous that every act relating thereto shall be done honestly, economically and well.

I am pleased to be able to state that in our City Civil Engineer and Street Commissioner, and the present citizen and Council members of the Board all the qualifications above enumerated are found, and I trust that this Council will be equally fortunate in its selection of gentlemen to act as members of the Board for the ensuing year.

STREET DEPARTMENT.

The affairs of this department have been conducted in a very satisfactory manner during the past year. Commissioner Reiley has exhibited commendable energy and judgment in the performance of the complicated and important duties of his position. The streets have never been kept cleaner and in better sanitary condition, although in some years more than twice the amount of money was expended upon them. From his very complete and carefully prepared report for 1879, it appears that the ordinary expenses of the department were \$48,223 51, being only \$989 02 in excess of the year before, although the late fall and open winter of last year necessitated much more cleaning than before.

I recommend a careful investigation of the several tables in this report, which it is impossible for me to notice in detail in this message, for in them will be found much valuable information to guide you in future legislation pertaining to the streets of the city.

POLICE AND HEALTH DEPARTMENTS.

- The cost of conducting these departments during the past year was \$143,035 85. which is less than for any year since 1872, being \$14,512 86 less than for 1878, the year in which the cost was next lowest, \$44,816 21 less than for 1876, the year in which it was highest.

The reports from these departments make an excellent showing in almost every particular. Although the number of arrests are less than for any year since 1873, the causes for arrests have diminished in an equal degree. The value of property reported stolen in 1879 was \$21,068 25, which is \$29,041 52 less than for 1875, since which time there has been a gradual falling off.

Of the amount reported stolen in 1879 \$13,075 25, or 62.06 per cent. was recovered by the police. In addition to their ordinary duties the patrolmen were charged with the taking of the census of the city. This work was done in the month of January last and required about ten days time. It is done by the members of the force on day service and does not interfere with the performance of their regular duties.

Each officer, as he passes along his beat, makes an enumeration of the houses upon the same and ascertains their character, and the number of persons living therein. Thus when the City is all gone over, we have a complete and quite accurate census of the whole city. In the report for 1879, the City is divided into precincts, and in each is shown the number of houses, inmates, hotels, churches, hospitals, schools, medical colleges, public halls, public buildings, cemeteries, wholesale dealers, retail dealers, manufacturers both large and small, orphan asylums, foundries and iron works and livery stables.

The number of inhabitants as shown by the police census in the City of Cleveland is 158,207, a gain of 65,189 since the United States census of 1870. The total extra cost was about \$3 00 paid for blank books. This, in my opinion, should be continued in order that we may have an annual statement of the facts above set forth. In this connection I wish to say that it adds very materially to the efficiency of the force to have them well drilled. Heretofore no suitable place has been provided for such exercise. Now that the Armory is completed, however, there seems no good reason why the police should not be permitted the use of the drill room jointly with the Militia. I recommend that your honorable body authorize such use by the Police Department, and also permit the storage of their arms and ammunition within the Armory.

I ought here, perhaps, to refer also to the present condition of the Police Court building.

Very considerable and radical changes should be made in this structure without unnecessary delay. The cells as now constructed are low, damp and unwholesome. They should be taken out and iron cages substituted in their places. The judge and clerk's rooms are too small to accommodate the business done in them, and should be enlarged. The whole building, in fact, needs altering, re-modeling and enlarging in order to meet the requirements of health and the increasing demands of business. I trust this matter will receive your early attention.

WORKHOUSE AND HOUSE OF REFUGE AND CORRECTION.

With the management of the institutions during 1879, we have every reason to be satisfied. The annual reports of the Directors and Superintendent show that honesty, economy and business tact have been exercised in the management of the affairs of these Departments which not only produce good results financially, but are eminently re-assuring to those who

have reposed confidence in the managers. Those however who know the high character and ability of these officers expected no less than is shown by their reports. The labors of the directors in this behalf furnish a rare example of disinterested philanthropy. It is seldom we find men occupying so high positions socially, intellectually and financially, who will devote so much of their time and energies, gratuitously, in efforts to stem the tide of crime and corruption and to reclaim the fallen. Their words and works, both show that they take a deep interest in these institutions and believe them to be instruments of great good to our city.

The able business management of the Superintendent Mr. W. D. Patterson, has so prospered these departments that they are now self sustaining.

The Directors in their report to your Honorable Body for 1879, say in reference to them, "In fact their pecuniary prosperity has already become, in our judgment, so well assured as to require, at your hands, no further imposition of taxes upon our citizens for their support unless some unexpected loss or accident should occur requiring extraordinary expenditures." This intelligence is most gratifying.

The following table shows the cash deposited by the Superintendent annually since the establishment of the Workhouse as the income from the prisoners' labor and fines and costs collected therein, also the disbursements of each year and the net cost to the city.

| Year. | Deposits. | Disbursements. | Net Cost. |
|-------|------------|----------------|----------------|
| 1871 | \$1,230 98 | \$ 60,444 42 | \$16,679 33 |
| 1872 | 6,903 83 | 30,784 64 | 28,523 18 |
| 1873 | 37,690 64 | 63,640 66 | 42,962 46 |
| 1874 | 51,000 81 | 65,926 41 | 36,952 63 |
| 1875 | 56,342 74 | 84,662 04 | 21,460 43 |
| 1876 | 40,192 77 | 78,343 62 | 15,824 75 |
| 1877 | 82,697 49 | 80,013 97 | 5,846 71 |
| 1878 | 92,509 47 | 132,813 88 | 3,892 96 |
| 1879 | 101,261 91 | 97,330 73 | Gains 3,931 18 |

Thus it will be seen that besides rendering efficient service as penal and reformatory institutions they have under the skillful management of the Directors and Superintendent within nine years from the date of establishment, become entirely self-supporting. The disbursements for 1879, as above shown include the sum expended for permanent improvements amounting to \$4,393 77, so that the net earned income over and above all ordinary expenses is \$8,324 95.

The levy for these Departments for 1879 was four-twentieths of a mill. The amount realized \$13,000 70, none of which was used. This amount can hereafter be deducted from our levies for municipal purposes. The balance on hand on the 1st day of January, 1880 was \$25,328 96. From the reports for 1879 I extract the following:

| | |
|---|-------|
| Number of inmates in Workhouse at the | |
| beginning of the year, - - - | 271 |
| Number of inmates received during the year, - | 882 |
| | <hr/> |
| Number imprisoned within the year, - - | 1,153 |
| Number discharged during the year, - | 879 |
| | <hr/> |
| Number remaining at the end of the year, | 274 |

One-third of the number imprisoned were women. The total number of prisoners in the institution during the year was 156 less than in 1878. The largest number imprisoned in any one year since the organization of the Workhouse was in 1874, when there were 1,375, and the entire number imprisoned during the whole time 11,136. The Directors in commenting on the gradual falling off in the number of prisoners annually confined at the Workhouse say: "For the last three years, though the population of our city has been increasing, the number of convicts sent to the Workhouse has diminished. This affords encouragement and indicates that the reformatory influence of the institution is growing more efficient in its character. This is illustrated by the fact that only twenty per cent.

of the inmates are returned a second time, while in other institutions of a similar character the usual number returned is seventy-five per cent."

In the Refuge Department the whole number of inmates received during 1879 was 172. The number remaining at the close of the year 106. Of those received nine (9) were girls. The whole number received since its organization is 917, of which 87 were girls. "Here," say the Directors, "the inmates have been schooled in the branches of a common English education, as well as instructed in the industrial art of manufacturing brushes."

Heretofore the sending of girls to the House of Refuge has been discouraged, for the reason that no suitable quarters, separate and apart from the prisoners of the Workhouse was provided, and the Directors did not wish to have them subjected to the contaminating influence of association with old and hardened criminals.

An addition to the Workhouse building was erected during the past year, with comfortable and commodious apartments, where the youthful occupants can be free from all evil influences and receive the beneficial training therein provided, so that it is probable more girls will be sent to the Refuge hereafter. There can be no doubt of the efficacy of these institutions in retarding the onward march of vice and crime in our city, by the moral agencies therein employed.

Many valuable suggestions and recommendations are made in their last annual report by the Directors of the Workhouse and House of Refuge and Correction, with a view to increasing the efficiency of the departments, and I commend them to your careful consideration, in order that you may be prepared to render such aid as you may deem wise and judicious.

INFIRMARY DEPARTMENT.

The infirmary department continues to be managed in an able and efficient manner. From the valuable reports of the several officers of the department submitted this year, I extract the following facts and figures which I deem worthy of your attention.

The whole number of applicants relieved during 1879 was 1,550. This is a decrease of 37 from 1878, and 968 from 1877.

The total cost of conducting the department for 1879 was \$40,447 46, which is \$10,240 78 less than for 1878, \$14,126 57 less than for 1877, \$43,353 10 less than for 1876, and \$35,808 43 less than for 1875.

The great reductions in the expenditures for the past three years indicate plainly that the Directors have felt a deep interest in the affairs of the department, and have succeeded in devising and adopting a system for its management, which is both effective and economical.

The "work system," so called, has now been in operation two years, and proves a great success. Its efficiency is thus spoken of by the Directors in their report: "The system of giving able-bodied male applicants an opportunity to earn their living by hard work has been attended with the happiest results. While a year ago the number of men sent to work at the Infirmary farm, ranged from fifteen to twenty-five daily, it is now a rare occurrence to have more than one or two per day.

This is partly the result of the revival of business, but more directly the "work system." Complaint is made, however, that the full benefit of this system cannot now be attained, for the reason that they are unable to extend its operation to females and infirm men by providing them with suitable work.

What is lacking is sufficient and suitable room. When that is furnished by the City they will provide some sort of light indoor labor for such persons.

In addition to calling the attention of your honorable body to these reports, which are replete with valuable figures and suggestions, I desire to recommend that the proper committee be directed to confer with the Infirmary Directors and report upon the advisability of carrying out any or all of the recommendations made by them therein.

WATER WORKS.

The twenty-fourth annual reports of the Trustees and Superintendent and Engineer of the Water Works are both interesting and instructive. The extensive character of this institution, the variety and complexity of its requirements, and its close relation to the most vital interests of the City, make it one of the most important of any connected with the City Government, and its management extremely difficult.

So far as can be observed, the affairs of the department are being conducted in a very satisfactory manner.

The receipts for water, including permits, less

| | | |
|--|-----|---------------------|
| amount refunded were for 1879 | - | \$182,173 33 |
| The amount of net expenses and repairs was | - | 55,799 20 |
| Leaving the net earnings | - - | <u>\$126,374 13</u> |

The receipts for water are in excess of the previous year by \$22,047 63, being the largest increase of any year since the establishment of the works.

The total receipts for the year, including the balance on hand, January 1, 1879, were \$218,351 86.

The total disbursements of the department were \$169,852 63, of which \$50,000 were paid for interest on Water Works bonds, \$42,714 86 for pipe extension, \$12,780 65 for lake crib superstructure and the balance for running expenses, repairs, etc.

This leaves a balance on hand, January 1, 1880, of \$48,499 23. The estimate of the Secretary of the receipts and disbursements for 1880 is as follows :

| | |
|--|--------------|
| The receipts for water will be | \$190,000 00 |
| Cash balance in City Treasury may be reduced | 26,000 00 |
| | <hr/> |
| Total amount available for all purposes | \$216,000 00 |
| Of this amount there will be required : | |
| For interest | 60,000 00 |
| For expenses and repairs | 56,000 00 |
| | <hr/> |
| | \$116,000 00 |
| Leaving available for other purposes | \$100,000 00 |

From the report of the Superintendent and Engineer, it appears that 3,455,271,981 gallons of water were pumped during the year, being an increase over the quantity pumped in 1878 of 562,325,158 gallons, or a daily increase in consumption over the preceding year of 1,540,616 gallons, equal to an increase for the year of 19.43 per cent.

The increase for 1879 is greater than for any year since 1872. During the hot summer weather the maximum quantity pumped through a portion of each day, frequently reached a rate equal to sixteen million gallons in twenty-four hours—a quantity equal to four-sevenths of the entire pumping capacity of the machinery.

The engineer says that if the increase during the coming year shall equal that of 1879, the maximum quantity which will be required during a portion of the season will reach a rate of nearly twenty millions of gallons in twenty-four hours, and in that event the demand may reach five-sevenths of the entire capacity of the works, which will leave a margin far too small under a direct supply system such as ours, which should have a power in reserve nearly, if not quite, equal to the one in use. Such being the case it becomes necessary to take steps at once to procure additional pumping machinery. The estimated cost of making the necessary enlargement of their works, laying the pipes and supplying the machinery is \$250,000.

This suddenly increased demand for water is attributed to the revival of business. If such is the case it behooves the city

authorities, in view of the prospect of a steady business growth from this time on, to see that there is no deficiency in the supply. Such a thing would be a serious calamity to the City. This contemplated improvement, if carried through, would absorb, without doubt, at least the entire net earnings of the department for the next two years if thus applied. But this would leave nothing with which to meet the expense of laying distributing pipe. With a general revival of business, adds the Engineer, the demand for water pipe to be laid during the coming year will probably equal, if it does not exceed, that of last year. In that event it will be necessary for your honorable body to provide sufficient funds, in addition to what shall remain of the earnings of the department after making the necessary extensions, to make the contemplated enlargement.

The total length of pipe of all sizes laid throughout the City is 120 miles and 3,261 feet, 9 miles and 897 feet being main pipes from 16 inches to 36 inches in diameter. Of these 8 miles and 743 feet were laid during 1879.

The lake crib we are informed by the report, passed through the winter of 1878-9 without serious injury; that nothing has yet been done to repair the damage caused by the storm of September 1878, and that if it is decided to rebuild the same if done before any further disturbance of the masonry takes place, only a small proportion of that now standing would have to be reset, and the material now standing can be used again.

I am of the opinion that a stone structure will be difficult to maintain at that place, and that it should be built of iron or wood. The uncertainty of the foundation will always prove a drawback to the use of material as heavy as stone. The present tower should be taken down and replaced with one of lighter material, which can be more easily bound together, and which will resist the action of the water. The tower should be of such material that in case of its destruction the debris

would not endanger the supply of water by filling up the inlet pipes.

There are many other matters of interest suggested by these reports, which I would like to call your attention to particularly and dwell upon at some length. But in a communication of this character it is impossible to notice in detail all the points of importance which may be suggested.

On the whole, I regard this department as well managed and its officers able and efficient.

FIRE DEPARTMENT.

One of the most important branches of the City Government is the Fire Department. The Board of Commissioners has exercised commendable skill and judgment in conducting the affairs of this department during the past year, so that it has lost none of its reputation for efficiency. From their annual report for 1879 I have collected the following :

The ordinary expenses of the department were \$146,721 15. The number of alarms responded to during the year were 310. The number of fires attended 294. The total loss by fire \$215,357 96. The average loss per fire was \$722 30. The loss from six fires only, however, was \$160,339, or over three-fourths of the entire amount. The property by these fires injured or consumed consisted of buildings constructed of or containing highly inflammable material. The average loss per fire aside from these was but \$191 00. I desire to call your attention particularly to one of the tables found in the annual report of the commissioners and the suggestions made by them in connection therewith.

The table referred to shows the annual losses by fire in the city since April 1, 1864, a period of fifteen years. The total is \$4,111,413 25.

The commissioners suggest that "An ordinance regulating new structures might be beneficial." That "a building committee of three or five competent persons should be appointed,"

and that "plans of all new buildings should be submitted to this committee." They assign as a reason for this "that a large number of fires are from defective flues or improperly constructed buildings."

I am in hearty accord with the spirit of these suggestions. It seems to me, however, that the commissioners themselves should constitute the committee, and that in addition a suitable person, who is a practical builder, should be appointed as inspector, whose duty it is to inspect new buildings as they are being erected, and old ones undergoing repairs, in order to prevent in all cases dangerously defective construction. I would recommend that action be taken by your Honorable Body without delay to establish some system of inspection, in order that the benefits to be derived therefrom may be realized during the present season.

Permission to erect wooden buildings within the fire limits as fixed by ordinance should be granted seldom, if ever. The most valuable portion of the property of the city is embraced within these limits, and the hazard to it in case of a conflagration is altogether too great to run any risks whatever.

While the fire department should be so maintained as to render the most effective service, in all emergencies, we should remember that it is the part of wisdom to prevent as far as possible the occurrence of such emergencies.

LAW DEPARTMENT.

The report of the Solicitor shows that the city's litigation has increased annually for the past ten years. The number of cases pending January 1, 1879, and commenced during the year, either for or against the city, was 395. The number disposed of, 170. The results of the trial of cases, in which damages were claimed from the city on account of injury to persons or property, are very gratifying. Of 77 such cases, in which the damages claimed amounted to \$100,025 34, only \$150 00 were recovered. The results, however, of

some of the suits brought against the city to enjoin the collection of taxes levied to pay for certain special improvements were not so satisfactory. The effect of the adverse decision of the Supreme Court in several of these cases is to throw about \$1,000,000 additional debt upon the general duplicate. While no blame may be attached to the present officers of the Solicitor's department for these results, as Messrs. Weh and Wallace, who have charge of all court business, did everything within their power to prevent such an issue, they serve to show how important it is for the City Council to act with extreme caution in every step taken in measures pertaining to special improvements; also how very essential it is that the City Solicitor shall be a profound and careful lawyer, and one who will not only give correct advice on all matters specially referred to him, but will carefully supervise all city legislation and interpose his opinion whenever he is convinced that illegal steps are being taken.

Had the ordinances and other measures adopted preliminary to entering upon several of the special improvements made within the past eight years been carefully reviewed, the flaws which were afterwards found in them would in all probability have been detected, and thus would have been avoided these long years of litigation, with final adverse results and loss to the city of hundreds of thousands of dollars.

As the era of prosperity is again approaching, and with it will doubtless come the same eagerness among all classes for improvements, both general and special, as characterized the years between 1868 and 1876, permit me to speak a word of caution against all hasty or ill considered legislation, and especially against the adoption of any measures looking to large improvements and creating a liability against the city, which have not been carefully considered, and a satisfactory report made thereon by the legal department.

The labors of this department during the past year have been onerous. They were, however, performed by the Solici-

tor and his very able assistants with dispatch and care, and the evident determination to protect the city's interest in every particular. Their report shows that they were successful.

CODIFIED ORDINANCES.

I desire to call your attention to the necessity which exists for revising or recodifying the city ordinances. Since the codification of March 12, 1877, there have been so many alterations, amendments and repeals, that it is difficult to ascertain exactly what our city laws are. There have also been many changes in the State laws affecting municipal corporations, which place some of our ordinances in conflict with them. Frequent complaints are made from the various departments of the serious inconvenience which this state of affairs produces, to which I also can bear evidence.

Besides, the edition of 1877 is exhausted, so that in order to supply the officers of the several departments with the means of informing themselves as to their respective duties, it becomes necessary either to republish the old work or compile a new one. I recommend the latter course, and that immediate steps be taken by your Honorable Body to that end.

CITY CLERK'S DEPARTMENT.

The City Clerk's Annual Report shows that the system adopted in 1877 of advertising for proposals and letting out the work and furnishing of supplies by contract to the lowest bidder, still continues to give good satisfaction. The expenditure on account of printing and stationery for 1879 was \$4,610 58, which was \$1,456 04, less than for 1878; but the cost of advertising for the year was \$6,296 97, or \$2,930 82 greater than for 1878. This difference is accounted for by the City Clerk as follows: "Over 60 per cent of this excess represents the increase in the amount of advertising required to be done in 1879, as compared with 1878; besides the contract for 1879 was not as advantageous as for 1878." But even with

this increase in the cost of the above items the figures compare so favorably with those of preceding years that there can be no question as to the propriety of continuing the system under which the above work is done and supplies furnished.

The business of this department is well conducted. The officers are able, diligent and courteous. The effort to index and arrange the back records and files of the office for ready and convenient reference is commendable, and I am pleased to see that the necessary assistance for that purpose has been furnished by the Council.

PARKS.

We may feel an honest pride in the parks of our city. The commissioners who have had control of them since 1873 have proven themselves gentlemen of refined tastes and excellent judgment. Prior to that date little attention was paid to the development of the city in this direction. Repeated attempts had been made up to that time to acquire land for park purposes, but without avail. Since then, however, some acquisitions have been made, and all the lands to be thus used have been put under their care.

The annual report of the commissioners for 1879 is very exhaustive. It contains, besides the usual narration of the transactions of the year, brief and interesting histories of each of the parks.

From this report it appears that the entire disbursements for 1879 were \$7,338 75, and that there is a balance remaining to the credit of the Park Fund of \$3,001 09, which, with the proceeds of the levy of 2-10 of a mill will be sufficient for 1880.

The names and sizes of the different parks are as follows :

| | | | |
|--|--------------------------------------|-------------|-------|
| Monumental Park, exclusive of street | - | 4 440-1000 | acres |
| Lake View | " including 25 feet of Summit street | - | - |
| | - | 10 415-1000 | " |
| Franklin Circle Park, including streets surrounding and passing through it | - | 1 414-1000 | " |
| Clinton Park | - | 1 981-1000 | " |
| Miles Ward Park | - | 2 045-1000 | " |
| South Side | " | 9 116-1000 | " |
| | | <hr/> | |
| | | 29 411-1000 | " |

The area of the city is 26 square miles, or 16,640 acres. The parks therefore constitute but a small fraction of the whole territory, and would be altogether too small were it not for the fact that many of our streets are so broad and so beautifully set off with fine dwellings and well-kept private grounds, that they vie with the parks in their beneficial effects upon our people.

The commissioners propose to erect a granite or bronze statue of Mr. Leonard Case, or a family group, upon or near the site now occupied by the pavilion in the northeast quarter of Monumental Park, and ask the concurrence of your honorable body and the additional levy for 1881 of 1-10 of a mill for this purpose. This is a most commendable project, and if agreeable to the relatives and friends of the family and there is no legal objection thereto, should be provided for without hesitancy or delay.

Such an act would be but a slight token of the appreciation which we all ought to feel for the magnificent donations which have been made by the different members of this family to the citizens of Cleveland, and I am sure no one would object to contributing his proportion of the amount asked for.

As a monument to the honor of the family, however, this will be as nothing to the one provided for by the late Leonard Case in the princely endowment of the "Case School of Ap-

plied Sciences." Nothing has ever been done for Cleveland which will redound more to her benefit than the establishment of this school, for nothing could have been done which is so wide reaching in its beneficial effects upon this and succeeding generations.

When we reflect that the great necessity of the age is education—of the higher type, as well as of the common school—that the preservation and perpetuation of the institutions of our country depend upon it; that this endowment affords the means of making this one of the largest and best of the educational institutions in the country; that of the 300 or more colleges and universities in the United States, there are but seven whose endowments equal this, we cannot hope by any act of ours to enshrine the memory of this family in any form more grand or lasting than the one already provided.

VALLEY RAILROAD.

On the 31st day of October, 1879, the City of Cleveland received from the State of Ohio a quit claim deed of what is known as the "Canal bed lands," and on the 4th day of November following, in conformity to the terms of a contract entered into prior thereto, executed and delivered to the Valley Railway Company a lease of said lands for the period of 99 years. In consideration for said lease the said company gave to the city its first mortgage gold bearing bonds to the amount of \$265,000, payable 27 years from 15th day of June, 1879, with interest from the date of execution and delivery of the lease at the rate of 7 per cent. per annum, payable semi-annually.

The city by this transaction has secured a most valuable accessory to her means of future development. This road is now built and in good running order between Cleveland and Canton. At the latter city it will probably connect immediately with the Cleveland, Canton, Coshocton & Straitsville; the Marietta, Pittsburgh & Cleveland, and several other railroads running in different directions through the great coal fields of

Ohio, and thus bring Cleveland into a closer and more direct line of communication with them than any other lakeport city of the State.

Besides the advantages to her manufacturing interests, which will be derived from the construction of the Valley Railroad, resulting from a more abundant supply of coal at cheaper rates Cleveland will reap at least an equal gain from her increased importance as an entrepot and point for the distribution of the Ohio coal. She stood before unrivaled by any of her sister cities on the lakes, in her facilities to supply the Northwest and Canadian ports with this article, but with this added means of meeting any demands which may be made upon her, she will increase the distance between her and those which would compete with her in this particular, if indeed she will not secure permanent supremacy.

We cannot commend too highly the enterprise and firmness of our citizens, who, through all the years of financial distress and depression which followed the inauguration of the project, persisted in carrying it through in the face of all discouragements.

MILITARY ORGANIZATIONS.

The resident military organizations consist of six companies of the 15th Regiment Infantry, O. N. G.; the First Light Artillery, O. N. G.; First City Troop, the Cleveland Grays, and the Gatling Gun Battery, all of which are well equipped and under good discipline.

The Gatling Gun Battery was organized under a special act of the Legislature, passed on the —th day of February, 1880, and is subject to the call of the Mayor only, in cases of riot or insurrection.

Pursuant to the requirements of an act of the Legislature passed May 7, 1877, an armory has been erected during the past year, suitable for the accommodation of the entire force of the O. N. G. It is located on Champlain street, on the site

of the old Industrial School building and extends back to Long street, a distance of 158 feet. It is 81 feet wide and 3 stories high. The apartments are so arranged as to afford ample room for officers and company quarters, and adequate facilities for both artillery and infantry drill and the deposit of arms and ammunition. The upper story is all in one room, and besides furnishing a suitable place for infantry drill, supplies a want long felt by our citizens, namely, a commodious hall in which to hold conventions or other large assemblies. The cost of the structure, when provided with heating apparatus and entirely completed, will be about \$34,000. As long as Cleveland maintains her military organizations at their present high state of efficiency, I think she may rest reasonably free from fear of any great loss of life or property from those causes which it is in the power of the military to suppress.

NEWSBOYS AND BOOTBLACKS.

On the 30th of June last an ordinance was passed requiring all persons plying the trade of newsboy or bootblack to obtain from the Mayor a written permit, and from the City Clerk a metal badge indicating the occupation, and to be worn by him while engaged therein. The number of licenses and badges issued up to April 1, 1880 was, newsboys 526, boot-blacks 245.

The effect of this ordinance has been most salutary. The ages of these boys vary from 6 to 15 years. Some of them are without home or friends. Others have parents and places to go to which they call homes, but in which they realize none of the comforts or pleasures which are inseparably associated with our ideas of home. Others have kind parents but they are poor and unable to provide but scantily for their children. All these are thrown through necessity upon the streets of our city to earn or help earn their living.

The action of the Council in passing an ordinance, shows that the City of Cleveland notices them, and will provide for

them as a part of her citizens. They feel proud to be thus noticed and are encouraged. It inspires them with a desire to prove themselves worthy of your attention. The receipt of the badge is a pledge for good behavior. Of all those issued but five have been revoked on account of misconduct.

The ordinance in prohibiting any but those wearing badges to sell papers or black boots, protects these boys in their trades. It is similar in its effect upon them to a protective tariff upon our home manufactories. It prevents foreign competition. It has been noticeable for some time that whenever there has been a fair or a horse race, or other extraordinary occurrence calling numerous guests to the city, in their train would come hordes of bootblacks from other cities and towns. These little urchins appear to be nomadic in their tendencies, and wander from city to city and place to place, always bringing up wherever there is an unusual gathering of people for any length of time.

Under the license and badge system our police guard the interests of our own boys, and prevent the intrusion and interference of this foreign element. They are thus made to feel more secure in their calling; that it is dignified somewhat by the attention it receives from the city authorities, and that they are no longer regarded as waifs or vagabonds upon the face of the earth. The result of all this cannot but be beneficial, and the reports from the Superintendent of the News Boys and Bootblacks' Home, from the police authorities and from all who are familiar with the matter, are to the effect that the results of the operation of the ordinance are most satisfactory.

CONCLUSION.

In conclusion I desire to say that I believe all the departments of the City Government are now well conducted; that the officers are capable and efficient. The several reports for 1879 are carefully prepared and replete with valuable information respecting the condition and management of city affairs,

and I think cannot but be satisfactory to all who will carefully and candidly consider them.

The relations existing between the officers of the several departments and myself, have been uniformly pleasant and agreeable. To them and to the retiring Council, for the kindness and courtesy which they have shown me during the past year, I desire to express my profound gratitude, and to indulge the hope that in the future as in the past the same good-will and friendly relationship may continue.

Respectfully submitted,

R. R. HERRICK,

Mayor.

Reports of City Officials.

ANNUAL REPORT
OF THE
CITY AUDITOR,
OF THE
CITY OF CLEVELAND,
FOR THE FISCAL YEAR ENDING DEC. 31, 1879.

CITY AUDITOR'S REPORT.

CLEVELAND, O., FEBRUARY 9, 1880.

To the Honorable City Council:

GENTLEMEN:—As required by section 15, chapter 3, of the Codified Ordinances of 1877, I herewith submit the Annual Report of the City of Cleveland for the year 1879, embracing statements showing as follows:

1. A general exhibit—Table No. 1.
2. An analysis of the resources and disbursements of the general funds for 1879.—Table No. 2.
3. The condition of all funds and accounts, January 1, 1880.—Table No. 3.
4. The amount, maturity and proceeds of sale of all bonds issued during the year 1879.—Table No. 4.
5. The amount and maturity of general bonds outstanding January 1, 1880.—Table No. 5.
6. The amount and maturity of street improvement bonds outstanding January 1, 1880.—Table No. 6.
7. The amount and maturity of street damage bonds outstanding January 1, 1880.—Table No. 7.
8. The amount and maturity of sewer bonds outstanding January 1, 1880.—Table No. 8.
9. Recapitulation of bonds outstanding January 1, 1880.—Table No. 9.
10. A statement of certified estimates unpaid January 1, 1880.—Table No. 10.

11. A statement of principal and interest of all bonds maturing in each month of the year 1880.—Table No. 11.

12. A comparative analyzed statement of disbursements from the general funds of the city for 1875, 1876, 1877, 1878 and 1879.—Table No. 12.

13. A comparative statement of the valuation of property, the rate of levy, and amount levied for municipal purposes in 1875, 1876, 1877, 1878 and 1879.—Table No. 13.

14. An estimate of taxes levied for each general fund in 1879, to meet the expenditures of 1880.—Table No. 14.

In presenting this report I desire to call attention to the following statements, chiefly drawn from the tables herewith submitted.

BONDS ISSUED IN 1879.

The bonds issued in 1879, as shown in table No. 4, were as follows :

| | |
|--|--------------|
| For expenses growing out of changes in the canal, exhausting the amount authorized by law and ordinance for canal account. \$ | 3,000 |
| Extending payment of indebtedness on account of assessments in arrears against lands held by House of Correction, Park and Police Departments, and on account of the cost of special improvements that could not be assessed upon local property | 25,000.00 |
| For meeting the principal and interest of special bonds maturing in advance of the collection of local assessments to meet their payment | 398,200.00 |
| | <hr/> |
| Total amount of bonds issued in 1879..... | '426,200.00 |
| Premiums and accrued interest on the same..... | 4,754.82 |
| | <hr/> |
| Total proceeds..... | \$430,954.82 |

REDUCTION OF DEBT IN 1879.

Notwithstanding the issue of bonds above shown, the debt of the city was diminished in 1879 by \$738,241.14, as follows:

| | | | |
|--|------------|------------|------------|
| Total general bonds paid in 1879 | | 505,000 00 | |
| Deduct { General bonds issued in 1879.. | 28,000 00 | | |
| { Debt for Pelton Park, no bonds | 50,000 00 | 78,000 00 | |
| Net decrease of general debt..... | | | 427,000 00 |
| Total special bonds paid in 1879..... | 614,200 00 | | |
| Deduct special bonds issued in 1879... | 398,200 00 | | |
| Net decrease of special bonds | | 216,000 00 | |
| Certified estimates paid in 1879..... | | 1,183 95 | |
| Decrease of overdfts in special accounts | | 94,057 19 | |
| Total decrease of special debt..... | | | 311,241 14 |
| Aggregate reduction of city debt in 1879 | | | 738,241 14 |

The payment of above general bonds stops interest payable by general levy to the amount of \$32,620.

ORDINARY EXPENSES.

The ordinary expenses of the city government in 1879, interest not included, as shown by Table No. 12, were \$732,290.44, a reduction compared with those of 1875, of \$154,787.82; with those of 1876, of \$198,457.68; with those of 1877, of \$156,197.85 and with those of 1878, of \$51,101.91.

EXTRAORDINARY EXPENSES.

The extraordinary expenses paid from the various funds in 1879, as shown in Table No. 2, were as follows:

| | |
|--|-------------|
| From the Market Fund for Eighteenth ward market..... | \$ 7,346 15 |
| “ “ “ “ repairing Fifth ward market..... | 593 70 |
| “ “ “ “ paving haymarket | 4,282 68 |
| “ Armory “ “ Champlain street armory | 14,174 66 |
| “ House of Correction Fund, addition to Refuge Dept. | 4,425 47 |
| “ Fire Department for new engine and new hose.... } | |
| “ “ “ “ cart and lot in Twelfth ward. } | 4,886 06 |
| “ Street Fund for repair of paved streets..... | 22,754 11 |
| “ Lighting Fund, for erection of new lamps..... | 2,939 60 |
| “ Park Fund for permanent structures | 984 11 |
| Total..... | \$62,386 54 |

THE SPECIAL DEBT JANUARY 1, 1880.

The outstanding special bonded debt January 1, 1880, is \$2,390,100, made up as follows:

| | |
|---|------------|
| 1. For cost of street improvements..... | \$ 830,300 |
| 2. For cost of sewers..... | 493,500 |
| 3. For damages by street openings..... | 1,066,300 |

Total special bonded debt.....\$2,390,100

If the liquidation of the special bonds proceeds in good faith according to the intent of the general law under which the debt was incurred, and of the several ordinances for the improvements, this debt will be paid in due time from the proceeds of local assessments which the City Council is fully authorized to levy, and it will be a species of repudiation if the local property owners shall succeed in throwing any considerable portion of it upon the general levy.

It should be remarked that the city at large is holden to pay such part of item one above shown, as covers the cost of improving all street intersections and one-fiftieth of the whole cost of each improvement, amounting in all to \$47,682.48. This amount, though treated as a part of the special debt, should be considered to increase the general debt, and to diminish the special debt, as otherwise stated. An annual general levy has been made since 1868 to meet maturing bonds and interest on this account, except for the years 1872, 1873 and 1874, when no such levy was made. The bonds which represent this account were originally issued as special bonds, and must so remain until their maturity and payment.

THE GENERAL DEBT,

The outstanding general bonded debt, as shown in Table No. 5, is \$6,201,000. This debt was chiefly incurred for land, structures and equipments of the School, Water Works, House of Correction, Infirmary, Fire and Police Departments, and of the Canal, Viaduct and Park projects. The property

thus acquired and now held by the city has been recently valued by good judges at over \$8,200,000.

It should be remarked that \$80,000 of the general bonded debt as shown above, has been incurred for dredging the Cuyahoga river, and one-half of it, with the accruing interest, is regularly met from the proceeds of local assessments upon lots abutting on the river. This amount, therefore, should be considered as increasing the special and decreasing the general debt.

Direct provision for meeting the general bonded debt exists first, in authority of law to levy an annual tax of "not less than one, nor exceeding three mills" for the general sinking fund, which had a credit balance January 1, 1880, of \$20,895.13; second, in the sinking fund of 1862, which had a par value, same date, of \$1,928,742.50; and third, in the viaduct sinking fund which had a par value in the hands of the Sinking Fund Commissioners of \$318,297.24, and a balance in the hands of the City Treasurer of \$337.75; total \$318,634.99, and for which there is authority of law to make an annual levy "not exceeding three mills."

These sinking funds are in the hands of the Sinking Fund Commissioners for investment and management, who are also charged with the duty of recommending the annual levy for each of the two funds supplied in whole or in part by a general levy. These funds show an aggregate increase during 1879 of \$420,233.05, and an aggregate par value of \$2,268,272.62.

THE SOUTH SIDE PARK.

The debt for the purchase of Pelton Park incurred in 1879, though no payment has yet been made thereon, is a virtual addition to the general debt of \$50,000 without interest. It is not represented by bonds, nor other evidences of debt except such as is embodied in the action of the City Council

expressed in a resolution adopted June 23, 1879, and in the acceptance of a deed of the property November 17, 1879.

TAX LEVY OF 1879.

The tax levied for municipal purposes in 1879 to meet expenses of 1880 is shown in Table No. 14. The amount levied for 1879 is less than that levied in 1875 by \$312,724.88; less than that of 1876 by \$317,542.98; less than that of 1877 by \$210,886.82; and less than that of 1878 by \$14,894.50.

TABLE NO. I.

GENERAL EXHIBIT OF THE RESOURCES AND DISBURSEMENTS OF THE CITY OF CLEVELAND FOR THE YEAR 1879.

| | | |
|--|----------------|----------------|
| <i>Amount in the hands of the City Treasurer January 1, 1879, viz:</i> | | |
| Balance credit Water Works Department.... | \$ 30,934 31 | |
| " " all other funds..... | 310,511 82 | |
| Bonds held as guarantee against decay of pavem'ts.. | 5,926 20 | \$ 347,372 33 |
| <i>Receipts for the year 1879 from all sources, as follows:</i> | | |
| Proceeds of general tax.... | \$1,065,460 95 | |
| " special tax.... | 566,020 98 | |
| " sale of general bonds..... | 28,437 50 | |
| " sale of special bonds..... | 404,517 82 | |
| Receipts to Bridge Fund... .. | 12,562 39 | |
| " Fire Department..... | 2,148 71 | |
| " House of Correction..... | 101,261 91 | |
| " Infirmary Fund..... | 9,806 38 | |
| Receipts from market premiums and rents.... | 27,050 86 | |
| " " Police Court fines and costs..... | 8,229 75 | |
| Receipts to Police Department..... | 685 22 | |
| " Park Fund | 209 50 | |
| " Street Department | 2,110 94 | |
| Receipts from city hall, viaduct and other rents.. | 8,328 58 | |
| " " hay scales, cow pound, licenses, &c..... | 5,330 87 | |
| " " dog tax | 7,578 00 | |
| " " water rents | 186,241 89 | |
| " " Broadway & Newburgh St. R. R. Co ... | 11,044 98 | |
| " " Lorain street paving tax .. | 950 96 | |
| " " miscellaneous sources..... | 6,591 75 | |
| Receipts to Brownell street paving assessment..... | 1,070 00 | |
| * Total receipts for the year..... | | 2,453,639 42 |
| | | \$2,801,011 75 |

* See Table No. 3, Recapitulation No. 2.

TABLE NO. I,—*Continued.*

| | | |
|---|---------------|-----------------|
| <i>Amount of expenditures for the year 1879, as follows:</i> | | |
| Ordinary running expenses city government..... | \$ 732,290 44 | |
| General bonds | 60,000 00 | |
| Interest on general bonded debt..... | 419,055 25 | |
| Dredging bonds (issued in former years) interest.... | 26,000 00 | |
| Street improvement, street damage and sewer bonds, and interest, issued in former years .. | 795,721 58 | |
| Amount in hands of Sinking Fund Commissioners.. | 74,192 37 | |
| <i>Permanent improvements, viz:</i> | | |
| Armory building | 14,174 66 | |
| Fire Department, engine, cart and lot..... | 4,886 06 | |
| House of Correction (addition) | 4,425 47 | |
| New lamp posts and frames..... | 2,939 60 | |
| Eighteenth ward market house and lot .. | 7,346 15 | |
| Fifth ward market addition..... | 593 70 | |
| Parks | 984 11 | |
| Paving & sewer, hay market, paid from mar- ket fund..... | 4,282 68 | |
| Repairs of paved streets and superintending same .. | 22,754 11 | |
| Refunded taxes | 183,489 15 | |
| City note | 3,000 00 | |
| General and special taxes on city hall | 7,405 44 | |
| Certified estimates | 1,183 95 | |
| Costs of court and damages paid from General Fund | 3,083 11 | |
| Paid from Street Fund | 1,210 02 | |
| Bills contracted in former years | 696 77 | |
| Water Works Department expenses..... | 119,653 88 | |
| Viaduct and canal expenses..... | 179,527 95 | |
| * Total expenditures for the year 1879 | | \$2,618,906 45 |
| <i>Amount in the hands of City Treasurer Jan. 1, 1880, viz:</i> | | |
| Water Works Fund | 47,522 32 | |
| All other funds | 128,656 78 | |
| Bonds held as guarantee against decay of pavements | 5,926 20 | \$ 182,105 30 |
| | | \$ 2,801,011 75 |

* See Table No. 3, Recapitulation No. 2.

TABLE NO. 2.
AN ANALYSIS OF THE RESOURCES AND DISBURSEMENTS OF THE GENERAL FUNDS FOR THE YEAR 1879.

| | | Cash on hand Jan. 1, 1879. | Amount Overdrawn Jan. 1, 1880. |
|---|--|----------------------------|--------------------------------|
| ARMORY FUND. | | | |
| <i>Resources</i> — | Transfer from Market Fund..... | \$ 22,000 00 | |
| <i>Disbursements</i> — | Amount paid for work done | 14 174 00 | \$ 7,825 34 |
| BRIDGE FUND | | | |
| <i>Resources</i> — | Cash on hand January 1, 1879 | \$ 5,208 40 | |
| | Taxes | 12,000 70 | |
| | City's proportion of county tax | 11,715 50 | |
| | From West Side Street Railroad Co..... | 747 81 | |
| | From miscellaneous sources | 12 08 | |
| | Warrant not used | 27 00 | |
| | | \$ 30,961 58 | |
| <i>Disbursements</i> — | Ordinary expenses..... | 30,004 08 | 857 55 |
| CUYAHOGA RIVER DREDGING, ABOVE U. C. W. BRIDGE | | | |
| <i>Resources</i> — | Cash on 1, 1879 | \$ 5,725 35 | |
| | General | 12,612 90 | |
| | Special | 5,044 20 | |
| | | \$ 23,382 45 | |
| <i>Disbursements</i> — | Ordinary expenses..... | \$ 114 00 | |
| | Payment of bonds issued in 1876 | 6,000 00 | |
| | " " " 1877 | 5,000 00 | |
| | " " " 1878 | 8,000 00 | |
| | Payment of interest on bonds issued in 1876, 1877 and 1878, (\$100,000 07) | 6,000 00 | |
| | Carried Forward..... | 26,114 00 | \$ 2,731 55 |
| | | \$ 8,093 69 | \$ 2,731 55 |

TABLE No. 2—Continued.

| | | Cash on hand Jan. 1, 1879. | Amount Overdrawn Jan. 1, 1880, |
|--|--------------|----------------------------|--------------------------------|
| <i>Brought Forward</i> | | \$ 8,682 89 | \$ 2,731 55 |
| CUYAHOGA RIVER DREDGING, BELOW U. C. W. BRIDGE. | | | |
| <i>Resources</i> — | | | |
| Cash on hand January 1, 1879..... | \$ 31 51 | | |
| General tax collection..... | 3,629 30 | | |
| Special tax collection..... | 10,619 41 | \$ 14,280 22 | |
| <i>Disbursements</i> —Ordinary expenses .. | | 13,047 20 | 1,233 02 |
| CEMETERY FUND. | | | |
| <i>Resources</i> — | | | |
| Cash on hand January 1, 1879 .. | \$ 252 64 | | |
| Taxes | 10,411 67 | \$ 10,684 31 | |
| <i>Disbursements</i> —Payment of special taxes | | 7,016 01 | 3,648 30 |
| FIRE DEPARTMENT FUND. | | | |
| <i>Resources</i> — | | | |
| Cash on hand January 1, 1879..... | \$33,628 73 | | |
| Taxes | 129,958 48 | | |
| Cash deposits by Secretary | 2,082 00 | | |
| Warrants not used..... | 68 71 | 165,735 92 | |
| <i>Disbursements</i> —Ordinary expenses | \$146,721 15 | | |
| New engine, hose carriage and lot..... | 4,886 09 | | |
| Special taxes | 185 78 | 151,792 99 | 18,942 83 |
| <i>Carried Forward</i> | | \$ 27,507 14 | \$ 2,731 55 |

TABLE No. 2—Continued.

| | | Cash on hand Jan. 1, 1879. | Amount Overdrawn Jan. 1, 1889. |
|-----------------------------|--|----------------------------|--------------------------------|
| | <i>Brought Forward</i> | \$ 27,507 14 | \$ 2,731 55 |
| GENERAL FUND. | | | |
| <i>Resources—</i> | | | |
| | Cash on hand January 1, 1879 | \$ 30,956 73 | |
| | Receipts from hay scales, cow pounds, licenses, etc. | 5,330 87 | |
| | Taxes | 81,897 17 | |
| | Reimbursement from special improvement | 3,282 37 | |
| | City hall and other rents collected | 7,961 82 | |
| | Warrants not used | 5 50 | \$129,424 46 |
| <i>Disbursements—</i> | | | |
| | Ordinary expenses | \$106,568 77 | |
| | Payment of taxes on city property | 7,405 44 | |
| | costs of court | 2,943 11 | |
| | damages by order of City Council | 150 00 | 117,662 32 |
| | | | 12,362 14 |
| HOUSE OF CORRECTION. | | | |
| <i>Resources—</i> | | | |
| | Cash on hand January 1, 1879 | \$ 5,974 29 | |
| | Taxes | 18,000 70 | |
| | From County, for care of county prisoners, etc. | 3,668 95 | |
| | Cash deposits by Superintendent | 97,008 25 | |
| | Collection made by City Solicitor | 584 71 | \$120,286 90 |
| <i>Disbursements—</i> | | | |
| | Ordinary expenses | \$ 92,905 26 | |
| | Permanent improvements | 4,425 47 | 97,330 73 |
| | | | 22,908 17 |
| | <i>Carried Forward</i> | \$ 62,775 45 | \$ 2,731 55 |

TABLE NO. 2--Continued.

| | | Cash on hand Jan. 1, 1880. | Amount Overdrawn Jan. 1, 1880. |
|------------------------|--|----------------------------|--------------------------------|
| INTEREST FUND. | | | |
| | <i>Brought Forward</i> | \$ 62,775 45 | \$ 2,731 55 |
| <i>Resources</i> — | | | |
| | Cash on hand January 1, 1879 | \$ 81,519 32 | |
| | Taxes | 291,523 77 | |
| | From Water Works Fund | 50,000 00 | |
| | Accrued interest on general bonds issued in 1879 | 25 00 | \$423,071 09 |
| <i>Disbursements</i> — | Payment of interest on general bonds | 419,055 25 | 4,015 84 |
| INFIRMARY FUND. | | | |
| <i>Resources</i> — | | | |
| | Cash on hand January 1, 1879 | \$ 19,630 83 | |
| | Taxes | 48,733 56 | |
| | From county for board, etc., of paupers | 4,196 53 | |
| | Receipts from licenses, etc | 5,439 85 | |
| | Receipts from music permits | 170 00 | \$ 78,170 77 |
| <i>Disbursements</i> — | Ordinary expenses | 40,447 46 | 37,728 81 |
| LIGHTING FUND. | | | |
| <i>Resources</i> — | | | |
| | Cash on hand January 1, 1879 | \$ 8,444 47 | |
| | Taxes | 97,467 11 | |
| | Amount paid for broken glass in street lamps | 50 | \$105,912 08 |
| <i>Disbursements</i> — | Ordinary expenses | \$ 83,271 40 | |
| | New lamp posts and lanterns | 2,939 60 | 19,701 08 |
| | <i>Carried Forward</i> | | \$124 215 68 |
| | | | \$ 2,731 55 |

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TABLE No. 2—Continued.

| | | Cash on hand Jan. 1, 1890. | Amount Overdrawn Jan. 1, 1890. |
|--|--------------|----------------------------|--------------------------------|
| MARKET FUND. | | | |
| <i>Brought Forward</i> | | \$ 18,701 08 | \$ 2,731 53 |
| <i>Receipts—</i> | | | |
| Cash on hand January 1, 1879..... | \$ 26,104 78 | | |
| Market rents and premiums..... | 27,050 80 | \$ 53,155 64 | |
| <i>Disbursements</i> | | | |
| Fund..... | \$ 10,396 52 | | |
| Market..... | 22,000 00 | | |
| house and lot..... | 4,292 88 | | |
| additions..... | 7,346 15 | | |
| Special taxes..... | 568 70 | 47,050 50 | |
| | 2,421 45 | 4,105 14 | |
| | | | |
| POLICE COURT FUND. | | | |
| <i>Receipts—</i> | | | |
| Cash on hand January 1, 1879..... | 1,676 38 | | |
| Fines, etc., collected by Police Clerk..... | 8,229 75 | \$ 9,906 13 | |
| <i>Disbursements—Ordinary expenses</i> | | 9,061 30 | |
| | | 844 53 | |
| | | | |
| POLICE DEPARTMENT. | | | |
| <i>Receipts—</i> | | | |
| Cash on hand January 1, 1879..... | \$ 13,188 76 | | |
| Taxes..... | 122,058 46 | | |
| Dog tax..... | 1,578 00 | | |
| Cash deposits by Secretary..... | 685 22 | | |
| Transfer from Police Court Fund..... | 10 00 | \$ 151,430 46 | |
| <i>Disbursements—Ordinary expenses</i> | | \$ 148,027 35 | |
| <i>Carried Forward</i> | | 8,303 11 | |
| | | \$ 80,556 76 | \$ 2,731 53 |

TABLE No. 2—Continued.

| | | Cash on hand Jan 1, 1880. | Amount Overdrawn Jan. 1, 1880. |
|--|--------------|---------------------------|--------------------------------|
| PARK FUND. | | | |
| Carried Forward | | \$ 38,558 76 | \$ 2,731 55 |
| Resources— | | | |
| Cash on hand January 1, 1879 | \$ 10,130 34 | | |
| Proceeds of sale of house and fence on Pelton Park | 209 50 | \$ 10,339 84 | |
| Disbursements— | | | |
| Ordinary expenses | \$ 5,923 86 | | |
| Permanent improvements | 994 11 | | |
| Bills of former years paid this | 490 78 | 7,328 75 | 3,001 09 |
| | | | |
| STREET DEPARTMENT. | | | |
| Resources— | | | |
| Cash on hand January 1, 1879 | \$ 18,289 44 | | |
| Taxes | 58,485 83 | | |
| Collections on account of street repairs | 2,067 34 | | |
| From General Fund for repairs of hay scales and cow pounds | 110 75 | | |
| Oregon street sewer tax, work done by street department | 24 60 | | |
| Milford street balance (transfer) | 53 48 | | |
| Transfer from special road | 650 00 | | |
| Warrants not used | 19 00 | 79,700 44 | |
| Disbursements— | | | |
| streets and superintending same | \$ 50,807 14 | | |
| order City Council, and costs of court | 22,754 11 | | |
| 1877 and paid in 1879 | 1,210 02 | | |
| | 265 99 | 75,027 26 | 4,068 18 |
| Carried Forward | | \$147,223 03 | \$ 2,731 55 |

TABLE NO. 2--Continued.

| | | | Cash on hand Jan. 1, 1880. | Amount Overdrawn Jan. 1, 1880. |
|---|---------------|---------------|----------------------------|--------------------------------|
| <i>Brought Forward</i> | | | | |
| SINKING FUND, FOR GENERAL BONDS. | | | | |
| <i>Resources</i> — | | | | |
| Cash on hand January 1, 1879 | \$ 12,302 23 | | | |
| Taxes | 68,231 15 | | | |
| Interest on deposits | 271 75 | \$ 80,885 13 | | |
| <i>Disbursements</i> —Payment of general bonds .. | | | | |
| | | 60,000 00 | 20,885 13 | |
| WATER WORKS FUND. | | | | |
| <i>Resources</i> — | | | | |
| Cash on hand January 1, 1879 | \$ 30,934 31 | | | |
| Water rents, etc. | 186,241 89 | \$ 217,176 20 | | |
| <i>Disbursements</i> —Ordinary expenses | | | | |
| Transferred to Interest Fund | \$ 119,653 88 | 169,653 88 | 47,522 32 | |
| <i>Total</i> | | | | |
| | | | \$ 215,640 48 | \$ 2,731 55 |

TABLE NO. 2.
STATEMENT OF THE CONDITION OF THE VARIOUS FUNDS OF THE CITY OF CLEVELAND JANUARY 1, 1880.

| | Amount of Bonds Outstanding Jan. 1, 1880. | Amount of Certified Estimates Outstanding Jan. 1, 1880. | Balance Debit Jan. 1, 1879. | Balance credit Jan. 1, 1879. | Disburse- ments for the Year 1879. | Receipts for the Year 1879. | Amount due from Street R. Companies | Amount Overdrawn Jan. 1, 1880. | Cash on hand Jan. 1, 1880. |
|-----------------------------------|--|---|--------------------------------|---------------------------------|--|--------------------------------|---|--------------------------------------|-------------------------------|
| Beckwith street, grading, etc. | 2,700 00 | | 141 99 | | 2,008 00 | 1,699 06 | | 450 93 | 7,825 34 |
| Birch street | | | 409 46 | | 14,174 69 | 22,000 00 | | 409 46 | |
| Beech street, culvert | 7,700 00 | | 297 14 | | 5,301 85 | 3,916 94 | | 1,712 05 | 51 73 |
| Beech street, grading and damages | | | 602 63 | 51 73 | | 106 11 | | 444 73 | |
| Beech street, grading and damages | 135,500 00 | | 2,041 14 | 4,143 71 | 59,302 80 | 1,033 07 | | 948 13 | 1,541 95 |
| | | | 542 44 | | 96 45 | 633 13 | | 45 95 | 22 24 |
| | 3,100 | | 88 82 | 342 46 | 428 00 | 465 37 | | 809 44 | |
| | | | 1,243 53 | | 3,182 03 | 1,970 13 | | 709 39 | |
| | 82,500 00 | | 5,872 31 | 2,539 97 | 1,155 27 | 53 64 | | 6,973 94 | 10,113 11 |
| Hills | 109,800 00 | | 16,917 94 | | 46,539 85 | 54,032 98 | | | 2,180 00 |
| | | | | 702 59 | 44,644 95 | 63,742 59 | 20,006 98 | 104 96 | |
| | 10,000 00 | | | 4,343 41 | 835 90 | 13 35 | | | 4,235 82 |
| | 400 00 | | 409 41 | | 6,050 00 | 5,902 21 | | 4 68 | |
| | | | 601 40 | | 3,100 00 | 4,027 78 | | 702 79 | 481 50 |
| | 700 00 | | 102 30 | 307 42 | 2,999 94 | 2,309 45 | | | 316 22 |
| | | | 328 70 | | | 8 30 | | | |
| | | | 385 60 | | | 385 60 | | | |
| | 500 00 | | 138 04 | 109 09 | 109 09 | | | 53 76 | |
| | | | | | 570 00 | 649 23 | | | |
| Bridge Fund | | | | 3,000 00 | 3,000 00 | | | | |
| Bronson alley, damages | | | | 5,236 49 | 30,004 03 | 35,538 09 | | | 387 55 |
| | | | | 113 64 | 113 64 | | | | |

TABLE NO. 3—(Continued).

| | Amount of Bonds Outstanding Jan. 1, 1880. | Amount of Certified Estimates Outstanding Jan. 1, 1880. | Balance Debit Jan. 1, 1879. | Balance Credit Jan. 1, 1879. | Disbursements for the Year 1879. | Receipts for the Year 1879. | Amount due from Street R. R. Companies. | Amount Overdrawn Jan. 1, 1880. | Cash on hand Jan. 1, 1880. |
|---|---|---|-----------------------------|------------------------------|----------------------------------|-----------------------------|---|--------------------------------|----------------------------|
| paving etc. | 6,500 00 | | 6,539 09 | | | 6,545 12 | | 13 97 | |
| at | 4,000 00 | | 39 38 | | 2,494 82 | 2,304 70 | | 269 44 | |
| Bills Receivable (see statement following) | 2,900 00 | | 247 30 | | 2,571 00 | 2,124 04 | | 964 26 | |
| Cemetery Fund. | | | | 233 64 | 7,016 01 | 10,411 67 | | | 8,648 30 |
| sewer | | | 711 41 | 108 10 | 108 10 | | | | |
| ing | | | | 1,408 29 | | 711 41 | | | |
| ing | 1,000 00 | | 1,657 20 | | | 842 82 | | 814 38 | 1,498 29 |
| Central Place, grading and curbing. | 98,900 00 | | 1,029 26 | | | 1,036 94 | | 2 32 | |
| Crawford road | | | | 2,701 65 | 28,353 69 | 26,940 82 | | | 1,306 28 |
| Clinton street. | | | | | 1,063 50 | 971 99 | | 129 51 | |
| Commercial street sewer. | | | 129 83 | | | 135 50 | | 4 33 | |
| Cheshire street | 6,000 00 | | 173 11 | | 1,635 00 | 2,017 99 | | | 234 82 |
| Cedar street, Perry to Willson. | | | 15 42 | 5 80 | 2,535 00 | 2,571 62 | | 9 50 | 383 49 |
| Chestnut Ridge street, macadamizing | 20,200 00 | | 86 05 | | 2,675 00 | 3,596 12 | | | 835 07 |
| Commercial street. | 4,000 00 | | 453 83 | 576 91 | 7,039 92 | 10,628 83 | | | 4,165 82 |
| Canfield street sewer. | | | 533 97 | | 2,420 00 | 2,337 04 | | | 463 11 |
| Case avenue, from Euclid to Woodland. | | | 281 62 | | | 532 97 | | | |
| Case avenue, from Euclid to Payne avenue | 9,500 00 | | | 442 55 | 5,740 00 | 5,783 03 | | 327 78 | 435 61 |
| Cedar avenue, macadamizing, E. Cleveland | 14,000 00 | | | 1,550 94 | 876 00 | | | | 674 94 |
| Cuyahoga River, dredging, above U. C. W. bridge | 30,000 00 | | | 5,725 35 | 29,115 44 | 20,658 54 | | 2,731 55 | |
| Cuyahoga River, dredging, below U. C. W. bridge | | | | 31 51 | 13,047 20 | 14,248 71 | | | 1,238 02 |
| Canal Fund | 255,000 00 | | | 3,430 90 | 6,300 21 | 3,328 45 | | | 959 14 |
| Courtland street, straightening | | | 166 11 | | 2,054 88 | 2,500 26 | | | 347 28 |
| Central Way, paving | | | | 166 78 | 166 78 | | | | |
| Central Way, bridge. | 8,000 00 | | 204 72 | | 4,840 00 | 4,359 70 | | 85 02 | |

TABLE NO. 3—Continued.

| | Amount of Bonds Outstanding Jan. 1, 1880. | Amount of (Certified Estimates Outstanding Jan. 1, 1880) | Balance Debit Jan. 1, 1879. | Balance Credit Jan. 1, 1879. | Disbursements for the Year 1879. | Receipts for the Year 1879. | Amount due from Street R. Companies. | Amount Overdrawn Jan. 1, 1880. | Cash on hand Jan. 1, 1880. |
|-------------------------------|---|--|-----------------------------|------------------------------|----------------------------------|-----------------------------|--------------------------------------|--------------------------------|----------------------------|
| Harkness avenue, grading, etc | 48,000 00 | 22 53 | 19,630 83 | 38 27 | 40,447 46 | 58,539 94 | | | 37,723 31 |
| Infirmary Department | | | 81,519 32 | | 410,055 25 | 341,551 77 | | | 4,015 84 |
| Interest Fund | 5,500 00 | 13,087 00 | 4,184 72 | | 3,930 00 | 6,898 80 | 186 39 | 1,506 12 | |
| Jennings avenue, paving | | | | | 2,855 08 | 3,815 10 | | | 4,302 92 |
| Junction street, grading, etc | | | | | | 15 77 | | | 332 75 |
| Jefferson street, paving, etc | | | | | | 703 56 | | 191 26 | |
| Kennard street, sewer | 600 00 | 103 80 | | | 791 00 | 2,508 12 | | 4,958 80 | |
| id culverts. | 176,700 00 | 26,211 84 | | | 70,255 04 | 4,531 24 | | | 35 10 |
| ind culverts | 8,800 00 | 119 80 | | | 4,496 14 | 2,724 97 | | | 780 17 |
| act) | 2,100 00 | 104 24 | | | 1,915 00 | 1,153 36 | | 1,237 89 | |
| verly to Chestnut | 3,500 00 | 22 45 | | | 2,287 00 | 21 20 | | 11 26 | |
| | | 4,216 04 | | | 11,971 31 | 15,756 08 | | 431 27 | |
| | | 640 28 | | | 2,140 00 | 2,780 28 | | | 55 88 |
| | | 498 11 | | | | 558 99 | | | |
| | | | | | | 960 96 | | | 925 29 |
| | | | | | 26 97 | 97,467 61 | | | 19,701 06 |
| | | | | | 36,211 00 | 37,050 80 | | | 6,105 14 |
| | | | | | 47,060 50 | | | | 245 81 |
| | | | | | | | | | 298 19 |
| | | | | | | | | 688 20 | |
| | 1,000 00 | 682 20 | | | 420 90 | 1,006 94 | | 163 26 | |
| | 2,000 00 | 749 30 | | | 6,025 00 | 3,053 08 | | 2,860 24 | |
| | | | | | 53 48 | 56 65 | | | |
| | 1,500 00 | 8 17 | | | 2,001 12 | 2,471 61 | | | 128 87 |
| etc. | | 347 12 | | | 746 00 | 429 24 | | 448 00 | 5 24 |
| damages. | 12,800 00 | 143 24 | | | 600 00 | 1,309 08 | | | 2,989 62 |
| | | 643 78 | | | | | | | 942 15 |
| | | | | | | | | | 911 26 |
| Ontario street, paving | 2,000 00 | 574 86 | | | 2,894 00 | 1,017 00 | | | |
| | | | | | | 2,883 90 | | | |

TABLE NO. 3—Continued.

| | Amount of Bonds Outstanding Jan. 1, 1880. | Amount of Certified Estimates Outstanding Jan. 1, 1880. | Balance Debit Jan. 1, 1879. | Balance Credit Jan. 1, 1879. | Disbursements for the Year 1879. | Receipts for the Year 1879. | Amount due from Street R. Companies. | Amount Overdrawn Jan. 1, 1880. | Cash on hand Jan. 1, 1880. |
|---|---|---|-----------------------------|------------------------------|----------------------------------|-----------------------------|--------------------------------------|--------------------------------|----------------------------|
| Old River street | 2,000 00 | ... | ... | 152 88 | 1,969 00 | 2,302 85 | ... | ... | 986 74 |
| Orange street, opening and extending | 6,700 00 | ... | 6,710 02 | ... | 9,408 94 | 6,811 89 | ... | ... | 101 67 |
| Police Court Fund | ... | ... | ... | 1,876 28 | 143,087 36 | 8,575 39 | ... | ... | 844 83 |
| Police Department | ... | ... | ... | 13,188 76 | ... | 198,231 70 | ... | ... | 8,303 11 |
| Pearl street, damages | ... | ... | 8,942 23 | 45 05 | ... | ... | 464 86 | 4,324 70 | 45 05 |
| Perry street, paving, etc. | 5,300 00 | ... | ... | 1,032 11 | 2,930 00 | 4,017 53 | ... | ... | 1,500 71 |
| Putnam street | 315,000 00 | ... | ... | 106 69 | 129 06 | 22 36 | ... | ... | 3,001 00 |
| Park Fund | 476,400 00 | ... | ... | 10,130 34 | 7,388 75 | 209 50 | ... | ... | 2,885 26 |
| ... | 15,300 00 | ... | 988 48 | 6,577 44 | 113,428 75 | 109,676 57 | ... | ... | 2,493 05 |
| ... | ... | ... | ... | ... | 6,694 50 | 9,991 03 | ... | ... | 2,264 08 |
| ... | 125 02 | ... | ... | 27 88 | 40 21 | 12 53 | ... | ... | 387 38 |
| ... | 1,100 00 | ... | ... | 8,162 73 | 3,738 19 | 1,553 41 | ... | ... | 26 39 |
| ... | ... | ... | 296 45 | 1,199 49 | 1,234 00 | 371 98 | ... | ... | 541 85 |
| ... | 3,800 00 | ... | ... | 464 45 | 1,605 00 | 1,357 84 | ... | ... | ... |
| ... | ... | ... | ... | 66 56 | 81 16 | 77 50 | ... | ... | ... |
| ... | ... | ... | ... | 1,455 56 | 7,102 95 | 3,430 05 | ... | 2,217 85 | 20,895 13 |
| ... | ... | ... | ... | 12,302 23 | 61,000 00 | 68,502 90 | ... | ... | 2,007 86 |
| ... | ... | ... | ... | 3,507 85 | 66,573 56 | 58,436 80 | ... | 7,087 78 | ... |
| ... | ... | ... | ... | 195 47 | 196 47 | ... | ... | ... | ... |
| ... | ... | ... | ... | 18,239 44 | 75,087 28 | 61,411 00 | ... | ... | 4,883 18 |
| ... | ... | ... | ... | 200 68 | 300 68 | ... | ... | ... | 1,998 58 |
| ... | ... | ... | ... | 1,998 58 | ... | ... | ... | ... | 3,008 68 |
| ... | ... | 2,268 34 | ... | 2,342 10 | 1,450 66 | 1,115 24 | ... | ... | 3,753 50 |
| Seneca street, opening, grading, damages by grading | 46,900 00 | ... | ... | 26 73 | 14,335 80 | 17,998 57 | ... | ... | 2,240 61 |
| Seneca street, paving | 9,500 00 | ... | 927 01 | ... | 6,386 00 | 9,009 62 | ... | ... | ... |
| Superior street, paving, Erie to Perry | ... | ... | 850 54 | ... | ... | 22 23 | ... | 828 21 | ... |

TABLE NO. 3—(Continued).

| | Amount of Bonds Outstanding Jan. 1, 1880 | Amount of Certified Estimates Outstanding Jan. 1, 1880 | Balance Debit Jan. 1, 1879 | Balance Credit Jan. 1, 1879 | Disbursements for the Year 1879 | Receipts for the Year 1879 | Amount due from Street R. Companies | Amount Overdrawn Jan. 1, 1880 | Cash on hand Jan. 1, 1880 |
|---|--|--|----------------------------|-----------------------------|---------------------------------|----------------------------|-------------------------------------|-------------------------------|---------------------------|
| Sewer district No. 11 | 1,000 00 | ... | ... | 207 00 | 1,140 00 | 1,186 22 | ... | ... | 253 22 |
| Sewer district No. 12 | 24,100 00 | ... | 1,726 40 | ... | 3,042 74 | 10,159 71 | ... | ... | 361 57 |
| St. Clair street sewer | 17,600 00 | ... | ... | 121 00 | 4,422 02 | 4,087 75 | ... | 272 57 | ... |
| Scovill avenue | 2,900 00 | ... | 291 55 | ... | 3,277 00 | 3,947 94 | ... | ... | 379 39 |
| Tad street | ... | ... | 2 83 | ... | 4,782 05 | 6,898 95 | ... | ... | 1,134 57 |
| ing, etc | ... | ... | ... | 175 00 | ... | 23 73 | ... | ... | 199 42 |
| ing | ... | ... | ... | 167 12 | ... | 220 95 | ... | ... | 388 07 |
| see statement for | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Vega avenue | 2,135,000 00 | ... | ... | 1,951 01 | 173,227 74 | 61,633 90 | ... | ... | 53,634 90 |
| Weddell street | ... | ... | ... | 175,719 05 | 381 00 | 313 91 | ... | ... | 2,491 31 |
| West River street | ... | ... | 2,851 90 | 781 96 | ... | ... | ... | 2,851 90 | 94 38 |
| Wood street, damages | 6,500 00 | ... | 53 69 | ... | 85 87 | 155 94 | ... | ... | 731 96 |
| Wade Park avenue, grading, etc. | 14,000 00 | ... | 417 56 | 967 73 | 10,313 97 | 6,100 42 | ... | 3,245 77 | 16 38 |
| Wade Park avenue, opening | 8,500 00 | ... | 2,557 20 | ... | 13,907 49 | 6,650 32 | ... | 7,674 73 | ... |
| iry and bridge | ... | ... | ... | 169 06 | 1,529 00 | 1,566 82 | ... | 2,519 38 | ... |
| ... | ... | ... | 6,707 54 | ... | 217 38 | 215 13 | ... | ... | 166 60 |
| ... | ... | ... | ... | 66 82 | 2,782 00 | 2,317 04 | ... | 6,171 90 | ... |
| ... | 1,276,000 00 | ... | ... | 30,934 81 | 2,354 00 | 2,279 72 | ... | 10 46 | ... |
| Willson avenue, damages, Julia to Sawtell | 14,800 00 | ... | 1,771 76 | ... | 1,967 93 | 4,579 45 | ... | ... | 47,522 32 |
| " " opening, north of St. Clair | ... | ... | ... | 2,011 06 | ... | ... | ... | ... | 2,011 06 |
| " " damages, Sawtell to Broad way | ... | ... | 210 06 | 4,181 24 | 6,385 56 | 5,342 05 | ... | 1,262 90 | 839 76 |
| Willson avenue, grading, Julia to Maurice | 15,500 00 | ... | ... | ... | 5,554 07 | 4,355 76 | ... | ... | 2,684 08 |
| Willson avenue, grading, Julia to Woodland | 16,500 00 | ... | 890 37 | ... | ... | ... | ... | 890 37 | ... |
| Willson avenue, grading, Euclid to Woodland | ... | ... | ... | 12 84 | 1,806 00 | 2,169 62 | ... | ... | 576 96 |

RECAPITULATION NO. 1,
SHOWING AMOUNT OF CASH ON HAND JANUARY 1, 1879; RECEIPTS AND DISBURSEMENTS FOR 1879, AND CASH ON
HAND JANUARY 1, 1880.

| | | | |
|--|--------------|---|------------|
| Total credit balances January 1, 1879... | 585,310 18 | Cash in hands of Sink'g Fund Commissioners--Gen'l Sink'g Fund | 20,886 13 |
| Total debit balances January 1, 1879.... | 237,987 85 | Viaduct " | 53,297 24 |
| Total cash on hand January 1, 1879. | 347,372 33 | Cash in hands of City Treasurer--Water Works Fund..... | 47,522 32 |
| Total receipts for the year 1879..... | 2,618,089 98 | All other funds..... | 128,656 78 |
| Total resources for 1879..... | 2,975,462 26 | Bonds held in trust..... | 5,926 20 |
| Total disbursements for year 1879.... | 2,709,164 59 | | 182,106 30 |
| Total cash on hand..... | 256,297 67 | Total cash on hand..... | 256,297 67 |

RECAPITULATION NO. 2,
SHOWING TRANSFER OF FUNDS DURING THE YEAR 1879, AND ACTUAL CASH RECEIPTS AND DISBURSEMENTS FOR
THE YEAR 1879.

| | Transfers | Receipts for the Year 1879, as per Re- capitulation No. 1. | Disburse- ments for the Year 1879, as per Rece- pitulation No. 1. |
|---|--------------|--|--|
| Receipts for 1879..... | | \$ 2,618,089 93 | |
| Disbursements for 1879..... | | | \$2,709,164 59 |
| Balance cash in hands of Sinking Fund Commissioners..... | | | 74,192 87 |
| Included in the above figures of receipts and disbursements, are the following transfers: | | | \$ 2,783,356 96 |
| From Market to Armory..... | \$ 22,000 00 | | |
| " Street Intersections to Sundry Funds..... | 65,573 56 | | |
| " Water Works to Interest..... | 50,000 00 | | |
| " Sundry Funds to General Fund..... | 2,433 16 | | |
| " Cemetery to Sundry Funds..... | 7,016 01 | | |
| " Market to | 2,431 45 | | |
| " Fire Dep't to | 185 78 | | |
| " General to | 1,380 15 | | |
| " General to Street Department..... | 110 75 | | |
| Miscellaneous transfers and warrants not used..... | 13,319 65 | 164,450 51 | 164,450 51 |
| Actual cash receipts for 1879, as per Table No. 1..... | | \$ 2,453,639 42 | |
| Actual disbursements for 1879, as per Table No. 1..... | | | \$2,618,906 45 |

RECAPITULATION NO. 3.
SHOWING AMOUNT OF MATURED BONDS NOT YET PRESENTED FOR PAYMENT.

| | | | | | |
|--|----------|-----------------|--|---|-----------------|
| Total amount of bonds outstanding Jan 1, 1880, as shown by Table No. 3..... | | | | Total bonded debt, as shown by Table No. 9: | |
| Pelton Park purchase--no bonds issued..... | | | | General Bonds. | \$ 6,201,000 00 |
| Total indebtedness | | | | Street Improvement Bonds..... | 830,300 00 |
| Less matured bonds not yet presented for pay- ment, issued on account following improve- ments, viz: | | | | Sewer Bonds..... | 493,500 00 |
| East Prospect street--opening | \$ 87 56 | | | Damage Bonds..... | 1,086,300 00 |
| Prospect street--paving..... | 125 02 | | | Total bonded debt..... | \$ 8,591,100 00 |
| Sewer District No. 3..... | 29 42 | 242 00 | | Pelton Park purchase | 50,000 00 |
| | | | | | |
| | | \$ 8,641,100 00 | | | \$ 8,641,100 00 |

RECAPITULATION NO. 4.
SHOWING AMOUNT OF GENERAL AND SPECIAL INDEBTEDNESS OF THE CITY OF CLEVELAND, JANUARY 1, 1880.

| | | |
|---|-----------------|-----------------|
| Amount of General Bonded Debt..... | | \$ 6,201,000 00 |
| Amount of Special Bonded Debt: | | |
| Street Improvements..... | \$ 830,425 02 | |
| Sewers..... | 486,529 42 | |
| Street Damages..... | 1,066,387 55 | |
| | <hr/> | |
| | \$ 2,383,342 00 | 2,380,100 00 |
| | 242 00 | |
| | <hr/> | |
| Leas \$242, as per Recapitulation No. 3..... | | |
| Total Bonded Debt..... | | \$ 8,581,100 00 |
| Pelton Park purchase, no bonds issued..... | | 50,000 00 |
| Amount of Certified Estimates..... | | 16,615 04 |
| Amount of Overdrawn Accounts, as shown by Table No. 3..... | | 143,880 66 |
| | | <hr/> |
| Total General and Special Indebtedness January 1, 1880..... | | \$ 8,801,595 70 |

STATEMENT SHOWING AMOUNT AND MATURITY OF ALL BONDS ISSUED BY THE CITY OF CLEVELAND DURING THE YEAR 1879. ISSUED TO EXTEND TIME OF PAYMENT OF MATURED BONDS AND INTEREST. ALSO
STATEMENT OF AMOUNT REALIZED BY THE SALE OF SAID BONDS.

| WHAT PURPOSE. | Rate per Cent. | Date of Issue. | 1888. | 1898. | 1900. | 1901. |
|--|-------------------|-------------------|-----------|----------|------------|---------------|
| Total... | | | \$ 4,000 | 1,900 | \$ 5,900 | |
| Total sewer bonds issued in 1879 | | | | | \$ 5,900 | |
| Total Proceeds of Sale | | | | | | \$ 5,959 49 |
| GENERAL BONDS. | | | | | | |
| Funded debt | 6 | Sep. 1, '79 | | | \$ 25,000 | \$ 28,412 50 |
| Canal bonds | 6 | | | | 3,000 | 3,238 70 |
| Total | | | | | \$ 28,000 | |
| Total General Bonds issued in 1879 | | | \$ 25,000 | \$ 3,000 | \$ 28,000 | \$ 29,649 20 |
| Total Proceeds of Sale | | | | | | |
| Total amount of bonds issued for all purposes during the year 1879 | | | | | \$ 426,200 | |
| Total proceeds of sale of bonds issued for all purposes in 1879 | | | | | | \$ 430,929 82 |
| Accrued on bonds issued for all purposes in 1879 | | | | | | 25 00 |
| Total proceeds of sale and accrued interest of bonds issued for all purposes in 1879 | | | | | | \$ 430,954 82 |
| Amount of bonds issued for all purposes during the year 1878 | | | | | | |
| Amount of bonds issued for all purposes during the year 1878 | | | | | | \$1,121,500 |
| Amount of bonds issued for all purposes during the year 1879 | | | | | | 426,200 |
| Amount of bonds issued in 1878 more than in 1879 | | | | | | 695,300 |

| 1896 | 1907 | Total Each Is- sue Un- paid Jan. 1, 1880. | Total Am't Gen. Bonds Unpaid Jan. 1, 1880 | Interest Due 1880. |
|-----------|-----------|---|--|-----------------------|
| | | 0 | | \$ 7,000 |
| | | 0 | | 5,250 |
| | | 0 | | 21,000 |
| | | 0 | | 28,000 |
| | | 0 | | 14,000 |
| | | 0 | | 12,000 |
| | | | \$1,275,000 | |
| | | 0 | | 1,020 |
| | | 0 | | 14,000 |
| | | 0 | | 14,000 |
| | | 0 | | 16,100 |
| | | 0 | | 14,000 |
| | | 0 | | 14,000 |
| | | 0 | | 14,000 |
| | | 0 | | 4,000 |
| | | 0 | | 10,000 |
| | | 0 | | 1,500 |
| | | | 1,584,000 | |
| | | 0 | | 2,880 |
| | | | 48,000 | |
| | | 0 | | 4,800 |
| | | | 80,000 | |
| | | 0 | | 2,100 |
| | | 0 | | 16,450 |
| | | 0 | | 3,500 |
| | | | 315,000 | |
| | | 0 | | 10,500 |
| | | 0 | | 7,440 |
| | | 0 | | 800 |
| | | | 275,000 | |
| | | 0 | | 5,070 |
| | | 0 | | 4,000 |
| | | 0 | | 4,550 |
| | | 0 | | 350 |
| | | 0 | | 14,000 |
| | | 0 | | 18,000 |
| | | 0 | | 30,000 |
| | | 0 | | 0,250 |
| | | 0 | | 7,500 |
| | | 0 | | 6,000 |
| | | 0 | | 6,000 |
| | | 0 | | 12,000 |
| | | 0 | | 6,000 |
| | | 0 | | 10,000 |
| | | | 2,135,000 | |
| | | 0 | | 12,880 |
| | | | 184,000 | |
| | | 0 | | 150 |
| | | 0 | | 12,000 |
| | | 65,000 | | 4,550 |
| | | 50,000 | | 2,500 |
| | | 35,000 | 355,000 | 2,450 |
| \$578,000 | \$125,000 | | \$4,201,000 | \$406,670 |
| 1879 | | | | \$ 6,878,000 |
| 1880 | | | | 6,201,000 |
| | | | | \$477,000 |

TABLE No. 6.
STATEMENT OF STREET IMPROVEMENT BONDS OUTSTANDING DECEMBER 31st, 1879, AND MATURING AS FOLLOWS:

| NAMES OF STREETS. | Rate per Cent. | Septem- ber, | Septem- ber, 1880. | Septem- ber, 1881. | Septem- ber, 1882. | Septem- ber, 1883. | Septem- ber, 1884. | Total. |
|--------------------------------|-------------------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| Union | 7 | \$ | | | | | | \$ 2,700 |
| Union | 7 | | | | | | | 3,500 |
| ..... | 6 | | | | | | | 35,000 |
| ..... | 7 | | | | | | | 74,500 |
| ..... | 6 | | | | | | | 80,300 |
| ..... | 7 | | | | | | | 10,100 |
| ..... | 7 | | | | | | | 700 |
| ..... | 6 | | | | | | | 6,500 |
| Payne | 7 | | | | | | | 4,000 |
| Payne avenue | 7 | | | | | | | 5,400 |
| ..... | 6 | | | | | | | 4,100 |
| ..... | 7 | | | | | | | 14,500 |
| ..... | 7 | | | | | | | 4,800 |
| ..... | 6 | | | | | | | 15,800 |
| ..... | 6 | | | | | | | 11,000 |
| ..... | 7 | | | | | | | 1,100 |
| to Fairmount | 7 | | | | | | | 13,400 |
| ..... | 6 | | | | | | | 14,600 |
| ..... | 7 | | | | | | | 5,000 |
| ..... | 6 | | | | | | | 23,500 |
| ..... | 7 | | | | | | | 5,500 |
| ..... | 7 | | | | | | | 17,900 |
| ..... | 6 | | | | | | | 5,000 |
| ..... | 6 | | | | | | | 46,000 |
| ..... | 7 | | | | | | | 700 |
| ..... | 7 | | | | | | | 3,000 |
| ..... | 6 | | | | | | | 5,600 |
| ..... | 6 | | | | | | | 300 |
| ..... | 7 | | | | | | | 5,300 |
| ..... | 6 | | | | | | | 6,300 |
| Grand avenue, grading, etc.... | 6 | | | | | | | |

TABLE No. 6—Continued.
STATEMENT OF STREET IMPROVEMENT BONDS OUTSTANDING DECEMBER 31st, 1879, AND MATURING AS FOLLOWS:

| NAMES OF STREETS. | Rate per Cent. | Septem- ber, 1880. | Septem- ber, 1881. | Septem- ber, 1882. | Septem- ber, 1883. | Septem- ber, 1884. | Total. |
|---|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|
| ..... | 6. | \$ 19,000 | ..... | ..... | ..... | ..... | \$ 19,000 |
| ..... | 7 | 2,100 | ..... | ..... | ..... | ..... | 2,100 |
| ..... | 6 | 800 | ..... | ..... | ..... | ..... | 800 |
| ..... | 6 | 700 | ..... | ..... | ..... | ..... | 700 |
| ..... | 6 | 3,500 | ..... | ..... | ..... | ..... | 3,500 |
| ..... | 6 | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 7 | 84,000 | ..... | ..... | ..... | ..... | 84,000 |
| avenue to city limits | 7 | 47,500 | ..... | ..... | ..... | ..... | 47,500 |
| avenue to city limits | 6 | 1,100 | ..... | ..... | ..... | ..... | 1,100 |
| ..... | 7 | 4,500 | ..... | ..... | ..... | ..... | 4,500 |
| Klusman street, repaving | 6 | 9,500 | ..... | ..... | ..... | ..... | 9,500 |
| ..... | 7 | 1,500 | ..... | ..... | ..... | ..... | 1,500 |
| ..... | 7 | 1,500 | ..... | ..... | ..... | ..... | 1,500 |
| ..... | 7 | 1,800 | ..... | ..... | ..... | ..... | 1,800 |
| ..... | 6 | 1,000 | ..... | ..... | ..... | ..... | 1,000 |
| ..... | 7 | 2,000 | ..... | ..... | ..... | ..... | 2,000 |
| ..... | 7 | 2,600 | ..... | ..... | ..... | ..... | 2,600 |
| ..... | 7 | 1,700 | ..... | ..... | ..... | ..... | 1,700 |
| ..... | 7 | 5,100 | ..... | ..... | ..... | ..... | 5,100 |
| ..... | 7 | 1,100 | ..... | ..... | ..... | ..... | 1,100 |
| ..... | 6 | 2,300 | ..... | ..... | ..... | ..... | 2,300 |
| ..... | 7 | 4,300 | ..... | ..... | ..... | ..... | 4,300 |
| ..... | 6 | 5,500 | ..... | ..... | ..... | ..... | 5,500 |
| ..... | 7 | 2,000 | ..... | ..... | ..... | ..... | 2,000 |
| ..... | 7 | 1,400 | ..... | ..... | ..... | ..... | 1,400 |
| ..... | 7 | 1,500 | ..... | ..... | ..... | ..... | 1,500 |
| ..... | 6 | 800 | ..... | ..... | ..... | ..... | 800 |
| Scoville avenue, grading, etc. | 6 | ..... | ..... | ..... | ..... | ..... | ..... |
| St. Paul street, grading and damages | 6 | ..... | ..... | ..... | ..... | ..... | ..... |
| Willson avenue, Lake Erie to Euclid avenue | 6 | 14,000 | ..... | ..... | ..... | ..... | 14,000 |
| Willson avenue, culverts, etc., Julia to Maurice | 6 | 5,000 | ..... | ..... | ..... | ..... | 5,000 |
| Willson avenue, grading, etc., Maurice to Sawtell | 7 | 1,700 | | | | | 1,700 |
| Willson avenue, grading, etc., Maurice to Sawtell | 6 | 2,000 | | | | | 2,000 |

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MATURING AS FOLLOWS:

[illegible]

MANUFACTURING AND

1894

100 200,000

100 150,000
270,000

100 360,000

100 360,000

General and

crease for the

Date

July 2
August
September
November

February
May 2
November

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100

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| Int est 0. | Balance Bonds Un- paid Jan. 1 1881. | FOR WHAT PURPOSE ISSUED. |
|------------------|--|--|
| | \$ 200,000 | Water Works |
| | 1,000,000 | " |
| | 208,000 | Funded debt. |
| | 1,247,000 | Funded debt. |
| | 42,000 | Infirmity purposes |
| | 61,000 | Cuyahoga River dredging. |
| | 315,000 | Parks. |
| | 284,000 | Canal. |
| | 11,000 | Canal. |
| | 125,000 | Viaduct. |
| | 1,592,000 | Viaduct. |
| | 418,000 | Viaduct. |
| | 184,000 | House of Correction. |
| | 200,000 | Schools. |
| | 150,000 | Schools. |
| | 28,300 | Sewer District No. 1 |
| | | " " " 2 |
| | 35,700 | " " " 2 |
| | 10,400 | " " " 3 |
| | 2,000 | " " " 3 |
| | 1,600 | " " " 4 |
| | 34,200 | " " " 5 |
| | 1,000 | " " " 7 |
| | 222,900 | " " " 7 |
| | | " " " 10 |
| | | " " " 11 |
| | 28,100 | " " " 12 |
| | | Broadway sewer, east of Kingsbury Run. |
| | 4,000 | Commercial street sewer. |
| | 2,300 | Superior street sewer, east of Doan brook. |
| | 10,600 | St. Clair street sewer. |
| | | St. Clair street sewer. |
| | | Garden street sewer. |
| | | Beech street sewer. |
| | | Kennard street sewer. |
| | 27,400 | Sewer district 1 and 2, East Cleveland. |
| | 1,091,500 | Street improvement and damage accounts. |
| 48 | 7,512,000 | |

TABLE No. 12.
A COMPARATIVE ANALYZED STATEMENT OF DISBURSEMENTS FROM THE GENERAL FUNDS OF THE CITY OF CLEVELAND FOR THE YEARS 1875, 1876, 1877, 1878, 1879.

| 1875 | 1875 | | | | Total Disbursements. |
|------------------------------|-------------------------|---|---|-----------------------------------|----------------------|
| | Ordinary Ex- penses. | Amounts Paid for Work Done in former Years. | New Buildings, Land, and other Permanent Improvements. | Costs of Court, Judgments, &c. | |
| Bridge Fund | \$ 24,815 60 | | | | \$ 24,815 60 |
| Dredging Fund | 2,249 42 | \$19,072 93 | | | 21,322 35 |
| Fire Department | 151,862 03 | | \$19,086 20 | | 170,948 23 |
| General Fund | 144,288 62 | | 50,897 19 | \$3,200 40 | 198,386 21 |
| Gas Fund | 116,746 15 | | 5,425 23 | | 122,171 38 |
| House of Correction | 82,197 04 | | 2,465 00 | | 84,662 04 |
| Infirmary Fund | 81,256 21 | | | | 81,256 21 |
| Market Fund | 6,602 67 | | | | 6,602 67 |
| Police Court Fund | 8,533 85 | | 4,088 92 | | 12,622 77 |
| Police Fund | 7,803 57 | | 52,853 72 | | 60,657 29 |
| Park Department | 168,302 68 | | | | 168,302 68 |
| Street Department | 92,420 42 | | | | 92,420 42 |
| Total Disbursements for 1875 | \$887,078 20 | \$19,072 93 | \$134,811 26 | \$3,200 40 | \$1,044,162 85 |

TABLE No. 12—Continued.

| 1876 | Ordinary Ex- penses. | Amount Paid for Work Done in former Years. | New Buildings, Land and Other Permanent Improvements. | Juror's Fees Superior Court. | Total Disbursements. |
|-----------------------------------|-------------------------|--|--|---------------------------------|-------------------------|
| Bridge Fund..... | \$ 24,185 44 | | | | \$ 24,185 44 |
| Dredging Fund..... | 49,834 72 | \$46,643 39 | | | 96,478 11 |
| Fire Department... | 139,638 29 | | \$ 10,256 03 | | 149,894 83 |
| General Fund..... | 156,492 79 | | 98,380 07 | \$17,684 75 | 272,557 61 |
| Gas Fund..... | 119,425 05 | | 6 050 35 | | 125,475 40 |
| House of Correction | 78,343 62 | | | | 78,343 62 |
| Inf. mary Fund..... | 84,530 34 | | 46,712 40 | | 131,251 74 |
| Market Fund..... | 9,742 46 | | | | 9,742 46 |
| Police Court Fund.. | 8,040 70 | | 1,055 95 | | 9,096 65 |
| Park Fund..... | 6,903 57 | | 14,190 35 | | 21,102 92 |
| Police Department.. | 154,528 38 | | | | 154,528 38 |
| Street Department .. | 99,073 85 | | | | 99,073 85 |
| Total Disbursements for 1876..... | \$930,748 12 | \$46,643 39 | \$176,654 75 | \$17,684 75 | \$1,171,731 01 |

TABLE No. 12—Continued.

| 1877 | Ordinary Ex- penses of 1877, Paid in 1877-8. | Total Ordinary Ex- penses for 1877. | Amounts Paid New Buildings for Work Done in for- mer Years. | Land and Other Perma- nent Improve- ments. | Costs of Court Judgments and Miscella- neous Exp'ses. | Total Disbursements |
|---|--|--|--|---|--|------------------------|
| Bridge Fund..... Bills contracted in 1877, paid in 1878..... | \$19,822 68 382 69 | \$ 20,205 37 | | \$13,862 36 14,184 41 | | \$33,685 04 |
| Dredging Fund..... Bills contracted in 1877, paid in 1878..... | \$52,841 78 32,175 61 | 85,017 39 | \$33,794 31 | | | 86,636 09 |
| Fire Department .. Bills contracted in 1877, paid in 1878 .. | \$114,169 45 11,764 90 | 125,954 25 | | 41,857 00 | | 156,026 45 |
| General Fund..... Bills contracted in 1877, paid in 1878... | \$88,900 34 6,723 15 | 95,623 49 | | 23,614 66 | \$12,746 05 | 125,261 05 |
| Gas Fund .. Bills contracted in 1877, paid in 1878.... | \$94,208 70 22,378 49 | 116,587 19 | | 688 75 | | 94,907 45 |
| House of Correction. . Bills contracted in 1877, paid in 1878 .. | \$80,013 97 19,058 56 | 99,072 53 | | | | 80,013 97 |
| Infirmity Fund..... Bills contracted in 1877, paid in 1878..... | \$80,269 09 9,284 89 | | 5,350 00 | 14,000 00 | | 99,619 09 |
| Market Fund .. Bills contracted in 1877, paid in 1878..... | \$6,506 57 1,475 41 | 7,980 98 | | | | 6,506 57 |

TABLE NO. 12.—Continued.

| 1877 | Ordinary Ex- penses of 1877, Paid in 1877-8. | Total Ordinary Ex- penses for 1877. | Amounts Paid for Work Done in for- mer years. | New Buildings Land and (Other Perma- nent Improve- ments. | Costs of Court Judgments and Miscella- neous Exp'ses. | Total Disbursemen'ts. |
|--|--|--|--|---|--|--------------------------|
| Police Court Fund..... Bills contracted in 1877, paid in 1878. | \$8,835 38 775 13 | 9,610 51 | ..... | 2,439 30 | ..... | 11,274 68 |
| Park Fund..... Bills contracted in 1877, paid in 1878. | \$6,643 57 184 72 | 6,828 29 | ..... | 2,546 67 | ..... | 9,190 24 |
| Police Department..... Bills contracted in 1877, paid in 1878. | \$159,986 72 2,400 00 | 162,386 72 | ..... | ..... | ..... | 159,986 72 |
| Street Department..... Bills contracted in 1877, paid in 1878. | \$65,899 05 3,768 54 | 69,667 59 | ..... | ..... | ..... | 65,899 05 |
| Total. .... | ..... | \$888,488 29 | \$39,144 31 | \$113,203 15 | \$12,746 05 | \$929,005 40 |

TABLE No. 12—Continued.

| 1878 | Ordinary Ex- penses. | Amounts Paid for Work Done in for- mer Years. | Costs of Court Judgments and Miscella- neous Exp'ses. | Bills Contracted in 1877, Paid in 1878. | Total Disbursements |
|------------------------|-------------------------|---|--|--|------------------------|
| Bridge Fund. | \$ 23,790 61 | | | \$14,567 10 | \$ 38,357 71 |
| Dredging Fund. | 8,249 86 | \$33,241 48 | 595 13 | 32,175 61 | 74,292 08 |
| Fire Department. | 148,714 94 | | 1,470 70 | 11,794 80 | 159,970 44 |
| General Fund | 116,470 51 | | 8,883 31 | 6,723 15 | 132,076 97 |
| Gas Fund | 105,800 04 | | | 22,378 49 | 131,204 19 |
| House of Correction | 108,355 21 | | | 19,058 56 | 132,813 88 |
| Infirmary Fund | 49,197 29 | | | 9,284 89 | 59,973 68 |
| Market Fund | 7,920 22 | | | 1,475 41 | 108,219 43 |
| Police Court Fund. | 8,008 90 | | 98,813 80 | 775 13 | 9,382 08 |
| Park Fund. | 6,003 57 | | | 194 72 | 6,643 07 |
| Police Department | 155,148 71 | | 454 78 | 2,400 00 | 157,548 71 |
| Street Department. | 47,234 49 | | 16,186 55 | 3,768 54 | 67,189 58 |
| Total Disbursements... | \$783,368 35 | \$33,241 48 | \$10,592 00 | \$124,574 40 | \$1,077,741 72 |

TABLE NO. 12--Continued.

| 1879 | Ordinary Ex- penses. | Amounts Paid for Work Done in former Years. | New Buildings, Land and Other Perma- nent Improve- ments. | Costs of Court Judgments and Miscella- neous Expens's. | Total Disbursements. |
|---------------------|-------------------------|--|---|---|-------------------------|
| Armory Fund | | | \$14,174 06 | | \$14,174 06 |
| Bridge Fund | \$ 30,004 03 | | | | 30,004 03 |
| Dredging Fund | 13,161 20 | \$26,000 00 | | | 39,161 20 |
| Fire Department | 146,721 15 | | 4,886 06 | \$ 185 78 | 151,792 99 |
| General Fund | 108,563 77 | | | 10,498 55 | 117,062 32 |
| House of Correction | 92,905 26 | | 4,425 47 | | 97,330 73 |
| Inflrmay Fund | 40,447 46 | | | | 40,447 46 |
| Lighting Fund | 83,271 40 | | 2,939 60 | | 86,211 00 |
| Market Fund | 10,398 52 | | 12,222 53 | 24,431 45 | 47,050 50 |
| Police Court | 9,061 30 | | | | 9,061 30 |
| Police Department | 143,027 35 | | | | 143,027 35 |
| Park Fund | 5,923 86 | 430 78 | 984 11 | | 7,338 75 |
| Street Department | 50,807 14 | 285 99 | | 23,964 13 | 75,057 26 |
| Total | \$732,290 44 | \$26,000 77 | \$39,632 43 | \$59,079 91 | \$857,009 55 |

TABLE No. 13.
A COMPARATIVE STATEMENT OF THE VALUATION OF PROPERTY
THE RATE OF LEVY AND AMOUNT LEVIED FOR MUNICIPAL
PURPOSES IN 1875, 1876, 1877, 1878 AND 1879.

| YEAR. | Valuation. | Rate of Levy. | Am't Levied. |
|-----------|--------------|-------------------------|----------------|
| 1875..... | \$73,305,277 | 18 $\frac{1}{8}$ Mills. | \$1,374,473 84 |
| 1876..... | 73,562,237 | 18 $\frac{1}{8}$ Mills. | 1,379,291 94 |
| 1877..... | 71,296,122 | 17 $\frac{1}{8}$ Mills. | 1,272,635 78 |
| 1878..... | 70,139 639 | 15 $\frac{7}{8}$ Mills. | 1,076,643 46 |
| 1879..... | 70,548,104 | 15 $\frac{7}{8}$ Mills. | 1,061,748 96 |

TABLE NO. 14.
TAX OF 1879 TO MEET EXPENSES OF 1880.

| FUND. | Rate. Mills. | Valuation. | Amount Levied. |
|----------------------------|------------------|-----------------|----------------|
| Bridge Fund... .. | $\frac{5}{20}$ | \$70,548,104 00 | \$ 17,637 03 |
| Dredging Fund..... | $\frac{5}{20}$ | " | 17,637 03 |
| Fire Department..... | $1\frac{1}{20}$ | " | 134,041 40 |
| General Fund..... | $1\frac{5}{20}$ | " | 98,767 34 |
| House of Correction..... | $\frac{4}{20}$ | " | 14,100 62 |
| Infirmary Fund..... | $\frac{3}{20}$ | " | 10,582 21 |
| Lighting Fund..... | $\frac{1}{20}$ | " | 63,483 29 |
| Police Department..... | 2 | " | 141,096 20 |
| Park Fund..... | $\frac{2}{20}$ | " | 7,054 81 |
| Pelton Park. | $\frac{5}{20}$ | " | 17,637 03 |
| Sinking Fund-General..... | $1\frac{3}{20}$ | " | 77,602 91 |
| Sinking Fund—Viaduct. | $\frac{5}{20}$ | " | 17,637 03 |
| Street Department.. .. | $\frac{1}{20}$ | " | 59,965 89 |
| Street Intersections..... | $\frac{1}{20}$ | " | 38,801 45 |
| | $10\frac{3}{20}$ | | |
| Interest Fund | $4\frac{1}{20}$ | " | 345,685 72 |
| Total..... | $15\frac{1}{20}$ | | \$1,061,748 98 |

Respectfully submitted,
HENRY FORD,
City Auditor.

ANNUAL REPORT
OF THE
CITY
TREASURER,
OF THE
CITY OF CLEVELAND,

FOR THE FISCAL YEAR ENDING DEC. 31, 1879.

CITY TREASURER'S REPORT.

To the Honorable Mayor and City Council of the City of Cleveland, Ohio :

GENTLEMEN :

Herewith I beg to submit to you a detailed statement of the receipts and disbursements of the several funds of the City for the year ending December 31st, 1879 :

| | | | |
|--|-------------|-----------|----------|
| ATLANTIC STREET— | | | |
| Overdrawn January 1, 1879..... | | \$ 141 99 | |
| Disbursements | \$ 2,008 00 | | |
| Receipts | 1,609 08 | | |
| | | 308 97 | |
| Overdrawn | | | \$450 98 |
| ALLEN STREET, OPENING— | | | |
| Overdrawn January 1, 1879.... | | 237 14 | |
| Disbursements | \$ 5,391 85 | | |
| Receipts | 3,916 94 | | |
| | | 1,474 91 | |
| Overdrawn | | | 1,712 05 |
| ARLINGTON STREET | | | |
| Overdrawn January 1, 1879..... | | 409 46 | |
| Overdrawn | | | 409 46 |
| BURTON STREET— | | | |
| Overdrawn January 1, 1879 | | 602 83 | |
| Receipts | | 158 11 | |
| Overdrawn | | | 444 72 |
| BECKER AVE., DAMAGES— | | | |
| Balance to credit January 1, 1879..... | | 342 46 | |
| Disbursements | 3,182 08 | | |
| Receipts | 1,970 13 | | |
| | | 1,212 90 | |
| Overdrawn | | | 869 44 |
| BROADWAY SEWER— | | | |
| Overdrawn January 1, 1879..... | | 247 30 | |
| Disbursements | 2,871 00 | | |
| Receipts | 2,124 04 | | |
| | | 746 96 | |
| Overdrawn | | | 994 26 |

| | | | |
|--|------------|----------|----------|
| BAILEY STREET— | | | |
| Overdrawn January 1, 1879..... | | \$ 30 38 | |
| Disbursements..... | \$2,434 82 | | |
| Receipts..... | 2,204 76 | | |
| | | 230 06 | |
| Overdrawn..... | | | \$200 44 |
| BECKWITH STREET— | | | |
| Overdrawn January 1, 1879..... | | 102 30 | |
| Disbursements..... | 2,999 94 | | |
| Receipts..... | 2,809 45 | | |
| | | 690 49 | |
| Overdrawn..... | | | 792 79 |
| BENTLEY ALLEY, DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 1,248 53 | |
| Receipts..... | | 488 14 | |
| Overdrawn.... | | | 765 39 |
| BEECH STREET, SEWER— | | | |
| Overdrawn January 1, 1879..... | | 133 04 | |
| Receipts..... | 649 28 | | |
| Disbursements..... | 570 00 | | |
| | | 79 28 | |
| Overdrawn..... | | | 53 76 |
| BECKER AVENUE— | | | |
| Overdrawn January 1, 1879.. | | 88 32 | |
| Receipts..... | 485 37 | | |
| Disbursements..... | 428 00 | | |
| | | 87 37 | |
| Overdrawn..... | | | 45 95 |
| BANK STREET— | | | |
| Overdrawn January 1, 1879..... | | 6,559 09 | |
| Receipts..... | | 6,545 12 | |
| Overdrawn..... | | | 13 97 |
| BUCKLEY STREET— | | | |
| Overdrawn January 1, 1879..... | | 409 41 | |
| Receipts..... | | 402 78 | |
| Overdrawn..... | | | 6 63 |
| BOND STREET— | | | |
| Overdrawn January 1, 1879..... | | 2,041 14 | |
| Receipts..... | | 1,098 01 | |
| Overdrawn..... | | | 943 13 |
| CUYAHOGA RIVER DREDGING FUND— | | | |
| Balance to credit January 1, 1879..... | | 5,756 86 | |
| Receipts from County Treasurer..... | 31,905 81 | | |
| Receipts from other sources..... | 3,001 44 | | |
| | 34,907 25 | | |
| Disbursements..... | 42,162 64 | | |
| | | 7,255 39 | |
| Overdrawn.... | | | 1,498 53 |
| CHAMPLAIN STREET— | | | |
| Overdrawn January 1, 1879..... | | 1,657 20 | |
| Receipts..... | | 842 82 | |
| Overdrawn..... | | | 814 38 |
| CUSTEAD AVENUE— | | | |
| Overdrawn January 1, 1879..... | | 1,029 26 | |
| Receipts... .. | | 1,026 94 | |
| Overdrawn... .. | | | 2 32 |

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|---|-------------|-----------|-----------|
| CRAWFORD STREET DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | \$139 83 | |
| Receipts..... | | 135 50 | |
| Overdrawn..... | | | \$4 33 |
| CHESHIRE STREET— | | | |
| Overdrawn January 1, 1879 | | 15 42 | |
| Receipts | | 5 92 | |
| Overdrawn..... | | | 9 50 |
| CENTRAL WAY— | | | |
| Overdrawn January 1, 1879..... | | 15,270 76 | |
| Receipts | \$20,215 28 | | |
| Disbursements..... | 5,006 78 | 15,208 50 | |
| Overdrawn.. | | | 62 26 |
| COLUMBUS STREET— | | | |
| Overdrawn January 1, 1879..... | | 797 10 | |
| Disbursements..... | 87,111 19 | | |
| Receipts..... | 20,130 59 | 18,980 00 | |
| Overdrawn... | | | 17,777 70 |
| DOAN STREET— | | | |
| Overdrawn January 1, 1879..... | | 860 87 | |
| Receipts | 1,952 87 | | |
| Disbursements..... | 1,468 00 | 484 87 | |
| Overdrawn.... | | | 375 50 |
| DETROIT STREET— | | | |
| Overdrawn January 1, 1879..... | | 1,279 92 | |
| Receipts..... | 8,320 86 | | |
| Disbursements | 8,094 67 | 226 19 | |
| Overdrawn..... | | | 1,053 73 |
| DELINQUENT SIDEWALK FUND— | | | |
| Overdrawn January 1, 1879..... | | 3,983 41 | |
| Receipts from County Treasurer | 2,686 91 | | |
| Disbursements | 7 70 | 2,629 21 | |
| Overdrawn..... | | | 1,304 20 |
| EUCLID AVENUE—West of Erie street— | | | |
| Balance to credit January 1, 1879..... | | 904 00 | |
| Disbursements | 6,680 00 | | |
| Receipts..... | 5,609 53 | 1,070 47 | |
| Overdrawn.... | | | 166 47 |
| EUCLID AVE., Macadamizing,—East Clev'd | | | |
| Overdrawn January 1, 1879... | | 3,317 65 | |
| Receipts..... | 5,788 09 | | |
| Disbursements..... | 5,084 00 | 704 09 | |
| Overdrawn..... | | | 2,613 56 |
| EUCLID AVENUE REPAVING— | | | |
| Overdrawn January 1, 1879 | | 242 84 | |
| Disbursements | 10,700 00 | | |
| Receipts | 10,461 89 | 238 11 | |
| Overdrawn..... | | | 480 95 |
| ELM STREET— | | | |
| Overdrawn January 1, 1879..... | | 1,013 29 | |
| Overdrawn..... | | | 1,013 29 |

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|---|-------------|----------|----------|
| EUCLID AVENUE, WIDENING— | | | |
| Balance to credit January 1, 1879. | | \$ 70 45 | |
| Disbursements..... | \$ 2,420 00 | | |
| Receipts..... | 2,245 20 | | |
| Overdrawn..... | | 174 80 | \$104 35 |
| EAGLE STREET— | | | |
| Overdrawn January 1, 1879.. | | 48 43 | |
| Disbursements.. | 2,525 00 | | |
| Receipts..... | 2,175 46 | | |
| Overdrawn | | 349 54 | 397 97 |
| ERIE STREET DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 173 13 | |
| Overdrawn..... | | | 173 13 |
| FRANKLIN CIRCLE— | | | |
| Overdrawn January 1, 1879.. | | 621 94 | |
| Receipts..... | | 425 26 | |
| Overdrawn..... | | | 196 68 |
| GIDDINGS AVENUE DAMAGES— | | | |
| Overdrawn January 1, 1879.. | | 12 81 | |
| Disbursements..... | | 91 00 | |
| Overdrawn..... | | | 108 81 |
| GARDEN STREET SEWER— | | | |
| Overdrawn January 1, 1879.. | | 2,458 55 | |
| Receipts..... | 2,128 55 | | |
| Disbursements..... | 1,959 00 | | |
| Overdrawn | | 167 55 | 2,291 00 |
| HODGE STREET DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 572 18 | |
| Overdrawn..... | | | 572 18 |
| HAIGHT STREET— | | | |
| Overdrawn January 1, 1879..... | | 235 00 | |
| Receipts | | 113 40 | |
| Overdrawn | | | 121 60 |
| HERMAN STREET— | | | |
| Overdrawn January 1, 1879..... | | 5,551 86 | |
| Receipts..... | | 3,963 76 | |
| Overdrawn..... | | | 1,588 10 |
| HARVARD STREET DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 296 15 | |
| Receipts..... | 1,098 43 | | |
| Disbursements..... | 912 00 | | |
| Overdrawn..... | | 186 43 | 109 72 |
| HODGE AVENUE DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 274 03 | |
| Overdrawn..... | | | 274 03 |
| HAMILTON STREET— | | | |
| Overdrawn January 1, 1879..... | | 2,265 19 | |
| Receipts | 2,235 68 | | |
| Disbursements..... | 421 29 | | |
| Overdrawn..... | | 1,814 80 | 450 80 |



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| HARVARD STREET— | | | |
| Overdrawn January 1, 1879..... | | \$ 540 28 | |
| Receipts..... | \$ 3,291 23 | | |
| Disbursements..... | 3,068 00 | 223 23 | |
| Overdrawn..... | | | \$ 317 00 |
| HURON STREET— | | | |
| Overdrawn January 1, 1879..... | | 86 76 | |
| Overdrawn..... | | | 86 76 |
| HOUGH AVENUE— | | | |
| Overdrawn January 1, 1879..... | | 5 88 | |
| Disbursements..... | | 3,180 00 | |
| Overdrawn..... | | | 3,185 88 |
| JENNINGS AVENUE— | | | |
| Overdrawn January 1, 1879..... | | 4,184 72 | |
| Receipts..... | 6,068 60 | | |
| Disbursements..... | 3,990 00 | 2,678 60 | |
| Overdrawn..... | | | 1,506 12 |
| KENNARD STREET BRANCH SEWER— | | | |
| Overdrawn January 1, 1879..... | | 108 80 | |
| Disbursements..... | 791 00 | | |
| Receipts..... | 703 55 | 87 45 | |
| Overdrawn..... | | | 191 25 |
| KINSMAN STREET— | | | |
| Overdrawn January 1, 1879..... | | 25,211 84 | |
| Receipts..... | 90,508 12 | | |
| Disbursements..... | 70,855 08 | 20,253 04 | |
| Overdrawn..... | | | 4,958 80 |
| LAKE STREET— | | | |
| Overdrawn..... | | 4,216 04 | |
| Receipts..... | 15,756 08 | | |
| Disbursements..... | 11,971 81 | 3,784 77 | |
| Overdrawn..... | | | 431 27 |
| LORAIN STREET— | | | |
| Overdrawn January 1, 1879..... | | 32 45 | |
| Receipts..... | | 21 20 | |
| Overdrawn..... | | | 11 25 |
| LINCOLN AVENUE DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 104 24 | |
| Disbursements..... | 2,287 00 | | |
| Receipts..... | 1,153 35 | 1,133 65 | |
| Overdrawn..... | | | 1,237 89 |
| MARCH STREET DAMAGES— | | | |
| Balance to credit January 1, 1879..... | | 119 64 | |
| Disbursements..... | 6,085 00 | | |
| Receipts..... | 3,055 02 | 2,969 98 | |
| Overdrawn..... | | | 2,850 34 |
| MILES STREET DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 489 36 | |
| Receipts..... | 2,910 85 | | |
| Disbursements..... | 2,747 12 | 163 73 | |
| Overdrawn..... | | | 325 63 |

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|--|-------------|----------|-----------|
| MULBERRY STREET— | | | |
| Overdrawn January 1, 1879 | | 749 30 | |
| Receipts | \$ 1,008 94 | | |
| Disbursements | 420 99 | | |
| | | 585 95 | |
| Overdrawn | | | \$ 163 35 |
| MAIN STREET— | | | |
| Overdrawn January 1, 1879 | | 682 20 | |
| Overdrawn | | | 682 20 |
| PEARL STREET— | | | |
| Overdrawn January 1, 1879 | | 8,942 28 | |
| Receipts | | 4,017 58 | |
| Overdrawn | | | 4,924 70 |
| RUSSELL AVENUE DAMAGES— | | | |
| Balance to credit January 1, 1879 | | 1,521 12 | |
| Disbursements | 7,184 12 | | |
| Receipts | 3,445 65 | | |
| | | 3,728 47 | |
| Overdrawn | | | 2,317 35 |
| SUPERIOR ST. SEWER—East Doan Brook— | | | |
| Overdrawn January 1, 1879 | | 1,214 22 | |
| Receipts | 1,951 27 | | |
| Disbursements | 1,871 00 | | |
| | | 80 27 | |
| Overdrawn | | | 1,133 95 |
| STREET INTERSECTION FUND— | | | |
| Disbursements | 65,573 56 | | |
| Receipts | 58,485 83 | | |
| Overdrawn | | | 7,087 73 |
| SEWER DISTRICT NO. 1— | | | |
| Overdrawn January 1, 1879 | | 6,068 98 | |
| Receipts from County Treasurer | 14,570 68 | | |
| Receipts from other sources | 308 73 | | |
| | 14,879 41 | | |
| Disbursements | 9,229 83 | | |
| | | 5,649 58 | |
| Overdrawn | | | 1,019 38 |
| SEWER DISTRICT NO. 2— | | | |
| Overdrawn January 1, 1879 | | 9,275 35 | |
| Receipts from County Treasurer | 20,728 63 | | |
| Receipts from sale of bonds | 88 06 | | |
| | 20,776 69 | | |
| Disbursements | 20,835 85 | | |
| | | 8,940 84 | |
| Overdrawn | | | 334 51 |
| SEWER DISTRICT NO. 3— | | | |
| Overdrawn January 1, 1879 | | 7,625 26 | |
| Receipts from County Treasurer | 23,702 73 | | |
| Receipts from sale of bonds | 302 36 | | |
| | 24,005 09 | | |
| Disbursements | 23,539 54 | | |
| | | 465 55 | |
| Overdrawn | | | 7,159 71 |
| SEWER DISTRICT NO. 5— | | | |
| Balance to credit January 1, 1879 | | 763 18 | |
| Disbursements | 20,455 00 | | |
| Receipts from County Treasurer | 12,934 75 | | |
| | | 7,520 25 | |
| Overdrawn | | | 6,757 07 |

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| SEWER DISTRICT NO. 7— | | | |
| Balance to credit January 1, 1879..... | | \$ 611 27 | |
| Receipts from County Treasurer... | \$ 34,653 58 | | |
| Receipts from other sources..... | 29 12 | | |
| | 34,682 70 | | |
| Disbursements..... | 37,284 38 | 2,601 68 | |
| Overdrawn | | | \$ 1,990 41 |
| SEWER DISTRICT NO. 10— | | | |
| Overdrawn January 1, 1879..... | | 2,899 01 | |
| Receipts from County Treasurer..... | 2,883 42 | | |
| Disbursements..... | 1,131 00 | 1,702 42 | |
| Overdrawn | | | 1,196 59 |
| SEWER DISTRICTS NOS. 1 AND 2, E. C.— | | | |
| Overdrawn January 1, 1879 .. | | 30 77 | |
| Disbursements..... | 2,389 60 | | |
| Receipts from sale of Bonds..... | 1,931 73 | 457 87 | |
| Overdrawn | | | 488 64 |
| ST. CLAIR STREET SEWER— | | | |
| Balance to credit January 1, 1879..... | | 121 69 | |
| Disbursements..... | 4,422 02 | | |
| Receipts | 4,027 76 | 394 26 | |
| Overdrawn | | | 272 57 |
| SUPERIOR ST. SEWER—West Doan Brook | | | |
| Overdrawn January 1, 1879 .. | | 1,333 28 | |
| Receipts | | 1,318 39 | |
| Overdrawn | | | 14 87 |
| SUPERIOR STREET— | | | |
| Overdrawn January 1, 1879.... | | 850 54 | |
| Receipts .. | | 22 23 | |
| Overdrawn | | | 828 31 |
| SUPERIOR ST. OPENING, E. C. | | | |
| Overdrawn January 1, 1879..... | | 7,334 82 | |
| Receipts | | 7,293 11 | |
| Overdrawn | | | 41 71 |
| ST. CLAIR STREET— | | | |
| Overdrawn January 1, 1879 | | 8,361 64 | |
| Disbursements..... | 10,146 78 | | |
| Receipts | 10,070 98 | 75 80 | |
| Overdrawn..... | | | 8,437 44 |
| WINDSOR AVE. BRANCH SEWER— | | | |
| Balance to credit January 1, 1879... | | 63 82 | |
| Disbursements..... | 2,354 00 | | |
| Receipts .. | 2,279 72 | 74 28 | |
| Overdrawn..... | | | 10 46 |
| WOODLAND AVENUE— | | | |
| Overdrawn January 1, 1879 | | 3,797 37 | |
| Receipts | 30,468 10 | | |
| Disbursements..... | 28,637 00 | 1,831 10 | |
| Overdrawn.... | | | 1,906 27 |

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|--|---------------|-------------|--------------|
| WARNER STREET— | | | |
| Overdrawn January 1, 1879. | | \$ 2,557 20 | |
| Receipts | \$ \$1,784 15 | | |
| Disbursement | 1,746 83 | 37 82 | |
| Overdrawn | | | \$ 2,519 38 |
| WADE PARK AVENUE— | | | |
| Balance to credit January 1, 1879..... | | 967 78 | |
| Disbursements..... | 10,313 97 | | |
| Receipts | 6,100 42 | 4,213 55 | |
| Overdrawn | | | 3,245 77 |
| WEST RIVER STREET— | | | |
| Overdrawn January 1, 1879 | | 2,851 90 | |
| Overdrawn | | | 2,851 90 |
| WOODLAND AVENUE WIDENING— | | | |
| Overdrawn January 1, 1879..... | | 6,707 54 | |
| Receipts | 3,317 64 | | |
| Disbursements | 2,782 00 | 535 64 | |
| Overdrawn | | | 6,171 90 |
| WOODLAND HILLS AVENUE— | | | |
| Balance to credit January 1, 1879.... | | 3,304 13 | |
| Disbursements..... | 13,757 00 | | |
| Receipts | 9,685 28 | 4,071 72 | |
| Overdrawn..... | | | 867 59 |
| WOODLAND HILLS AVE. DAMAGES— | | | |
| Balance to credit January 1, 1879..... | | 311 46 | |
| Disbursements. | 5,107 67 | | |
| Receipts | 4,532 59 | 575 08 | |
| Overdrawn.... | | | 263 62 |
| WADE PARK AVENUE DAMAGES— | | | |
| Overdrawn January 1, 1879... .. | | 417 56 | |
| Disbursements. | 13,907 49 | | |
| Receipts | 6,650 32 | 7,257 17 | |
| Overdrawn..... | | | 7,674 73 |
| WAVERLEY STREET— | | | |
| Overdrawn January 1, 1879..... | | 382 51 | |
| Receipts | 687 12 | | |
| Disbursements..... | 642 00 | 45 12 | |
| Overdrawn. | | | 337 39 |
| Brought forward..... | | | 127,078 73 |
| Balance Cash on hand..... | | | 128,656 78 |
| | | | \$255,735 51 |

C R.

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|--|--------------|-----------|-------------|
| ARMORY FUND— | | | |
| Receipts from Market Fund. | \$ 22,000 00 | | |
| Disbursements | 14,174 68 | | \$ 7,825 34 |
| Balance | | | |
| AUBURN STREET— | | | |
| Balance to credit January 1, 1879..... | | \$ 51 73 | |
| Balance | | | 51 73 |
| BRIDGE FUND— | | | |
| Balance to credit January 1, 1879..... | | 5,298 49 | |
| Receipts from County Treasurer..... | 24,776 20 | | |
| " " West Side Street R'y Co.. | 747 81 | | |
| " " from other sources..... | 12 08 | | |
| | 25,536 09 | | |
| Disbursements.... | 20,977 08 | | |
| | | 4,440 94 | |
| Balance. | | | 857 55 |
| BRECKSVILLE ROAD— | | | |
| Overdrawn January 1, 1879..... | | 542 44 | |
| Receipts | 663 13 | | |
| Disbursements | 98 45 | | |
| | | 564 68 | |
| Balance.. | | | 22 24 |
| BROWNELL STREET— | | | |
| Balance to credit January 1, 1879..... | | 4,348 61 | |
| Disbursements | 6,050 00 | | |
| Receipts | 5,902 21 | | |
| | | 57 79 | |
| Balance | | | 4,285 82 |
| BOLIVAR STREET— | | | |
| Overdrawn January 1, 1879..... | | 691 40 | |
| Receipts | 4,272 90 | | |
| Disbursements..... | 3,100 00 | | |
| | | 1,172 90 | |
| Balance.... | | | 481 50 |
| BIRCH STREET— | | | |
| Balance to credit January 1, 1879..... | | 307 42 | |
| Receipts | | 8 80 | |
| Balance | | | 316 22 |
| BROADWAY— | | | |
| Overdrawn January 1, 1879.... | | 19,497 69 | |
| Receipts..... | 117,877 87 | | |
| Disbursements..... | 93,165 97 | | |
| | | 24,711 90 | |
| Balance..... | | | 5,214 21 |

| | | | |
|--|-------------|-------------|-------------|
| BOND STREET DAMAGES-- | | | |
| Balance to credit January 1, 1879. | | \$ 4,143 71 | |
| Disbursements | \$59,202 80 | | |
| Receipts | 56,601 04 | | |
| Balance | | 2,601 76 | \$ 1,541 95 |
| CASE AVENUE-- | | | |
| Balance to credit January 1, 1879.. | | 210 93 | |
| Receipts | 5,786 90 | | |
| Disbursements | 5,740 00 | | |
| Balance..... | | 46 90 | 257 83 |
| COURTLAND STREET DAMAGES-- | | | |
| Overdrawn January 1, 1879..... | | 188 11 | |
| Receipts | 2,500 25 | | |
| Disbursements..... | 2,054 88 | | |
| Balance.... | | 525 87 | 347 23 |
| CANAL FUND-- | | | |
| Balance to credit January 1, 1879..... | | 3,420 90 | |
| Receipts from Valley Ry Co. | 591 75 | | |
| " " sale of bonds..... | 3,236 70 | | |
| Disbursements..... | 3,828 45 | | |
| Balance..... | 6,300 21 | 2,471 76 | 959 14 |
| CEMETERY FUND-- | | | |
| Balance to credit January 1, 1879. | | 252 64 | |
| Receipts from County Treasurer..... | 10,411 67 | | |
| Disbursements..... | 7,016 01 | | |
| Balance..... | | 3,395 66 | 3,648 30 |
| CHESTNUT RIDGE MACADAMIZING-- | | | |
| Balance to credit January 1, 1879.... | | 576 91 | |
| Receipts | 10,628 83 | | |
| Disbursements..... | 7,069 92 | | |
| Balance..... | | 3,588 91 | 4,165 82 |
| CENTRAL PLACE OPENING-- | | | |
| Balance to credit January 1, 1879.... | | 2,701 65 | |
| Disbursements... .. | 27,384 70 | | |
| Receipts | 25,867 82 | | |
| Balance..... | | 1,516 88 | 1,184 77 |
| CEDAR AVENUE MACADAMIZING-- | | | |
| Balance to credit January 1, 1879..... | | 1,550 94 | |
| Disbursements... .. | | 876 00 | |
| Balance..... | | | 674 94 |
| CLEVELAND POLICE FUND-- | | | |
| Balance to credit January 1, 1879..... | | 13,188 76 | |
| Receipts from County Treasurer..... | 129,958 48 | | |
| " " City Clerk..... | 7,578 00 | | |
| " " other sources..... | 685 22 | | |
| Disbursements | 138,221 70 | | |
| Balance | 143,017 35 | 4,795 65 | 8,398 11 |

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|--|-------------|-----------|-----------|
| CLINTON STREET— | | | |
| Overdrawn January 1, 1879..... | | \$ 178 11 | |
| Receipts..... | \$ 2,017 98 | | |
| Disbursements..... | 1,605 00 | 412 98 | |
| Balance..... | | | \$ 234 82 |
| COMMERCIAL STREET— | | | |
| Overdrawn January 1, 1879..... | | 483 93 | |
| Receipts..... | 3,337 04 | | |
| Disbursements..... | 2,420 00 | 917 04 | |
| Balance..... | | | 483 11 |
| CENTRAL WAY BRANCH SEWER— | | | |
| Balance to credit January 1, 1879..... | | 1,408 29 | |
| Balance..... | | | 1,408 29 |
| CEDAR AVENUE—Perry St. to Willson Av. | | | |
| Overdrawn January 1, 1879..... | | 88 05 | |
| Receipts..... | 3,596 12 | | |
| Disbursements..... | 2,675 00 | 921 12 | |
| Balance..... | | | 885 07 |
| COMMERCIAL STREET SEWER— | | | |
| Balance to credit January 1, 1879..... | | 5 80 | |
| Receipts..... | 2,871 62 | | |
| Disbursements..... | 2,585 00 | 286 62 | |
| Balance..... | | | 282 42 |
| ERIE STREET— | | | |
| Balance to credit January 1, 1879..... | | 328 98 | |
| Receipts..... | | 27 84 | |
| Balance..... | | | 356 82 |
| EAST MADISON AVENUE— | | | |
| Balance to credit January 1, 1879..... | | 1,101 08 | |
| Receipts..... | 2,085 79 | | |
| Disbursements..... | 798 00 | 1,287 79 | |
| Balance..... | | | 2,888 87 |
| EUCLID AVENUE PAVING— | | | |
| Balance to credit January 1, 1879..... | | 4,220 57 | |
| Disbursements..... | | 2,760 00 | |
| Balance..... | | | 1,460 57 |
| EAST MADISON AVENUE DAMAGES— | | | |
| Balance to credit January 1, 1879..... | | 532 70 | |
| Receipts..... | | 3 45 | |
| Balance..... | | | 536 15 |
| EAST PROSPECT STREET OPENING— | | | |
| Overdrawn January 1, 1879..... | | 48 19 | |
| Receipts..... | 1,759 25 | | |
| Disbursements..... | 1,455 00 | 304 25 | |
| Balance..... | | | 256 08 |
| FULTON STREET— | | | |
| Overdrawn January 1, 1879..... | | 66 20 | |
| Receipts..... | 3,998 84 | | |
| Disbursements..... | 3,527 00 | 471 84 | |
| Balance..... | | | 405 64 |

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|---|------------|-----------|-----------|
| FAIRFIELD STREET-- | | | |
| Balance to credit January 1, 1879. | | \$ 575 32 | \$ 575 32 |
| Balance..... | | | |
| FAIRMOUNT STREET MACADAMIZING-- | | | |
| Balance to credit January 1, 1879.... | | 1,165 57 | |
| Disbursements..... | \$ 336 00 | | |
| Receipts ... | 48 39 | 287 61 | |
| Balance ... | | | 877 96 |
| FIRE DEPARTMENT FUND-- | | | |
| Balance to credit January 1, 1879.... | | 33,628 73 | |
| Receipts from County Treasurer..... | 129,958 48 | | |
| " " other sources..... | 2,103 00 | | |
| Disbursements..... | 182,061 48 | | |
| | 151,747 28 | 19,685 80 | |
| Balance. | | | 13,942 93 |
| FIR STREET-- | | | |
| Balance to credit January 1, 1879. | | 223 58 | |
| Disbursements..... | 269 00 | | |
| Receipts | 133 40 | 136 60 | |
| Balance..... | | | 87 98 |
| FOREST STREET-- | | | |
| Balance to credit January 1, 1879..... | | 713 66 | |
| Receipts | | 486 36 | |
| Balance..... | | | 1,200 02 |
| GRAND AVENUE-- | | | |
| Overdrawn January 1, 1879..... | | 2,968 69 | |
| Receipts | 8,131 87 | | |
| Disbursements..... | 3,871 85 | 4,760 02 | |
| Balance..... | | | 1,821 33 |
| GERMAN STREET-- | | | |
| Overdrawn January 1, 1879..... | | 297 33 | |
| Receipts..... | | 302 08 | |
| Balance. | | | 4 75 |
| GRAND AVENUE DAMAGES-- | | | |
| Overdrawn January 1, 1879..... | | 280 12 | |
| Receipts | 3,025 18 | | |
| Disbursements..... | 1,926 76 | 1,096 42 | |
| Balance. | | | 818 30 |
| GORDON AVENUE-- | | | |
| Overdrawn January 1, 1879 | | 1,152 62 | |
| Receipts ... | | 1,182 22 | |
| Balance..... | | | 29 60 |
| GAS AND LIGHTING FUND-- | | | |
| Balance to credit January 1, 1879..... | | 8,444 47 | |
| Receipts from County Treasurer..... | 97,467 11 | | |
| " " other sources..... | 50 | | |
| Disbursements..... | 97,467 61 | | |
| | 86,211 00 | 11,256 61 | |
| Balance... .. | | | 19,701 08 |

CITY TREASURER'S REPORT.

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| | | | |
|--|------------|-------------|-------------|
| GARDEN STREET-- | | | |
| Balance to credit January 1, 1879..... | | \$ 3,808 02 | |
| Receipts | \$ 884 07 | | |
| Disbursements | 80 77 | | |
| | | 883 80 | |
| Balance..... | | | \$ 4,636 32 |
| GENERAL FUND-- | | | |
| Balance to credit January 1, 1879..... | | 30,956 73 | |
| Receipts from County Treasurer..... | 81,887 17 | | |
| " " City Hall rents..... | 7,708 64 | | |
| " " other rents. | 253 18 | | |
| " " hay scales..... | 1,705 21 | | |
| " " general licenses..... | 3,347 25 | | |
| " " pounds | 130 91 | | |
| " " other sources..... | 131 50 | | |
| Transfers from Special Improvement and Damage Accounts..... | 3,282 37 | | |
| | 98,448 23 | | |
| Disbursements | 117,040 82 | | |
| | | 18,594 59 | |
| Balance..... | | | 12,362 14 |
| HOUSE OF CORRECTION FUND-- | | | |
| Balance to credit January 1, 1879.. | | 5,974 29 | |
| Receipts from County Treasurer..... | 16,669 65 | | |
| " " W. D. Patterson, Sup't .. | 97,008 25 | | |
| " " other sources..... | 584 71 | | |
| | 114,262 61 | | |
| Disbursements. | 97,380 73 | | |
| | | 16,981 88 | |
| Balance... .. | | | 22,906 17 |
| HERALD STREET-- | | | |
| Overdrawn January 1, 1879..... | | 9,825 69 | |
| Receipts | 20,760 35 | | |
| Disbursements..... | 9,643 00 | | |
| | | 11,117 35 | |
| Balance | | | 1,291 66 |
| HEMLOCK STREET-- | | | |
| Overdrawn January 1, 1879 .. | | 746 59 | |
| Receipts | 1,370 92 | | |
| Disbursements..... | 14 80 | | |
| | | 1,356 62 | |
| Balance..... | | | 610 08 |
| HERALD STREET DAMAGES-- | | | |
| Overdrawn January 1, 1879 | | 5 67 | |
| Receipts | 108 69 | | |
| Disbursements | 99 20 | | |
| | | 9 49 | |
| Balance..... | | | 3 82 |
| HODGE AVENUE-- | | | |
| Balance to credit January 1, 1879..... | | 621 65 | |
| Balance..... | | | 621 65 |
| INTEREST FUND-- | | | |
| Balance to credit January 1, 1879... .. | | 81,519 32 | |
| Receipts from County Treasurer..... | 291,528 77 | | |
| " " Water Works Commiss'rs .. | 50,000 00 | | |
| " " other sources..... | 25 00 | | |
| | 341,551 77 | | |
| Disbursements..... | 419,055 25 | | |
| | | 77,503 48 | |
| Balance | | | 4,015 84 |

| | | |
|--|--------------|--------------|
| INFIRMARY FUND-- | | |
| Balance to credit January 1, 1879..... | | \$ 19,680 88 |
| Receipts from County Treasurer.. .. | \$ 52,980 09 | |
| " " City Clerk..... | 3,221 50 | |
| " " Clerk of Infirmary Board | 2,218 35 | |
| " " other sources..... | 170 00 | |
| | 58,589 94 | |
| Disbursements..... | 40,447 46 | 18,082 48 |
| Balance..... | | \$ 37,723 31 |
| JUNCTION STREET-- | | |
| Balance to credit January 1, 1879... . | | 3,502 85 |
| Receipts..... | 3,815 16 | |
| Disbursements..... | 2,955 09 | 860 07 |
| Balance | | 4,352 92 |
| JEFFERSON STREET-- | | |
| Balance to credit January 1, 1879..... | | 216 98 |
| Receipts..... | | 15 77 |
| Balance..... | | 232 75 |
| KINSMAN STREET RE-PAVING-- | | |
| Receipts..... | 4,581 24 | |
| Disbursements..... | 4,496 14 | 85 10 |
| Balance..... | | 35 10 |
| LINCOLN AVENUE-- | | |
| Overdrawn January 1, 1879 | | 119 80 |
| Receipts .. . | 2,724 97 | |
| Disbursements | 1,815 00 | 909 97 |
| Balance..... | | 790 17 |
| LEXINGTON AVENUE-- | | |
| Overdrawn January 1, 1879 | | 498 11 |
| Receipts .. . | | 559 99 |
| Balance..... | | 55 88 |
| LORAIN STREET--From Waverly to Chest- | | |
| nut Ridge Road. | | |
| Receipts .. . | 950 98 | |
| Disbursements..... | 25 67 | 925 29 |
| Balance..... | | 925 29 |
| MARKET FUND-- | | |
| Balance to credit January 1, 1879... . | | 23,104 78 |
| Receipts from premiums | 11,003 40 | |
| " " rents... . | 15,286 81 | |
| " " W. E. Sherwood, Clerk. . | 680 00 | |
| | 26,970 21 | |
| Disbursements, including transfer of | | |
| \$2,200 to Armory Fund..... | 48,989 85 | 19,999 64 |
| Balance | | 6,105 14 |
| MARCY AVENUE-- | | |
| Balance to credit January 1, 1879..... | | 245 31 |
| Balance | | 245 31 |
| MARCY AVENUE DAMAGES-- | | |
| Balance to credit January 1, 1879..... | | 293 19 |
| Balance..... | | 293 19 |

CITY TREASURER'S REPORT.

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| | | | |
|--|-------------|-----------|----------|
| MARQUETTE STREET-- | | | |
| Overdrawn January 1, 1879 | | \$ 643 78 | |
| Receipts..... | \$ 1,300 02 | | |
| Disbursements | 660 00 | | |
| | | 649 02 | |
| Balance..... | | | 5 24 |
| NORTH WOODLAND AVENUE-- | | | |
| Overdrawn January 1, 1879.. .. | | 574 85 | |
| Receipts | | 1,517 00 | |
| Balance..... | | | 942 15 |
| ONTARIO STREET-- | | | |
| Balance to credit January 1, 1879..... | | 591 40 | |
| Receipts..... | 3,283 90 | | |
| Disbursements | 2,964 00 | | |
| | | 319 90 | |
| Balance..... | | | 911 36 |
| ORANGE STREET-- | | | |
| Overdrawn January 1, 1879 | | 6,710 02 | |
| Receipts | | 6,811 89 | |
| Balance..... | | | 101 87 |
| OLD RIVER STREET-- | | | |
| Balance to credit January 1, 1879. | | 152 89 | |
| Receipts | 2,802 85 | | |
| Disbursements..... | 1,959 00 | | |
| | | 843 85 | |
| Balance..... | | | 996 74 |
| POLICE COURT FUND-- | | | |
| Balance to credit January 1, 1879..... | | 1,676 38 | |
| Receipts from O. S. Gardner, Clerk..... | 3,491 69 | | |
| " " Wm. Baxter, Clerk | 4,738 06 | | |
| | 8,229 75 | | |
| Disbursements | 9,061 30 | | |
| | | 831 55 | |
| Balance..... | | | 844 83 |
| PARK FUND-- | | | |
| Balance to credit January 1, 1879..... | | 10,130 34 | |
| Receipts from W. H. Eckman, clerk..... | 209 50 | | |
| Disbursements | 7,338 75 | | |
| | | 7,129 25 | |
| Balance... | | | 3,001 09 |
| PAYNE AVENUE OPENING-- | | | |
| Balance to credit January 1, 1879..... | | 6,577 44 | |
| Disbursements..... | 113,428 75 | | |
| Receipts | 109,676 57 | | |
| | | 3,752 18 | |
| Balance..... | | | 2,825 26 |
| PEARL STREET DAMAGES-- | | | |
| Balance to credit January 1, 1879..... | | 45 06 | |
| Balance..... | | | 45 06 |
| PROSPECT STREET RE-PAVING--Erie to Perry. | | | |
| Overdrawn January 1, 1879..... | | 933 48 | |
| Receipts | 9,991 03 | | |
| Disbursements..... | 6,634 50 | | |
| | | 3,356 53 | |
| Balance..... | | | 2,423 06 |
| PROSPECT STREET--Perry to Willson Ave. | | | |
| Receipts | | 2,264 68 | |
| Balance..... | | | 2,264 68 |

| | | | |
|---|-------------|------------|------------|
| PERRY STREET— | | | |
| Balance to credit January 1, 1879..... | | \$1,082 11 | |
| Receipts..... | \$ 2,758 60 | | |
| Disbursements..... | 2,290 00 | 468 60 | |
| Balance..... | | | \$1,500 71 |
| QUINCY STREET— | | | |
| Balance to credit January 1, 1879..... | | 1,199 40 | |
| Disbursements..... | 1,234 00 | | |
| Receipts..... | 371 93 | 862 07 | |
| Balance..... | | | 337 33 |
| QUINCY STREET DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 296 45 | |
| Receipts..... | 1,937 84 | | |
| Disbursements..... | 1,606 00 | 332 84 | |
| Balance..... | | | 36 39 |
| RIDGE STREET OPENING— | | | |
| Balance to credit January 1, 1879..... | | 464 45 | |
| Receipts..... | | 77 50 | |
| Balance..... | | | 541 95 |
| STREET FUND— | | | |
| Balance to credit January 1, 1879..... | | 18,289 44 | |
| Receipts from County Treasurer..... | 58,485 83 | | |
| " " repairs on pavements..... | 2,041 44 | | |
| " " other sources..... | 830 25 | | |
| Transfer of Milford Street Account..... | 53 48 | | |
| | 61,411 00 | | |
| Disbursements..... | 75,087 26 | 13,626 26 | |
| Balance .. | | | 4,663 18 |
| SPECIAL ROAD FUND— | | | |
| Balance to credit January 1, 1879..... | | 3,342 10 | |
| Receipts from County Treasurer..... | 1,028 68 | | |
| " " other sources..... | 86 56 | | |
| | 1,115 24 | | |
| Disbursements.. | 1,450 68 | 335 44 | |
| Balance..... | | | 3,006 66 |
| SCHOOL CONSTRUCTION FUND— | | | |
| Balance to credit January 1, 1879.... | | 3,507 85 | |
| Balance..... | | | 3,507 85 |
| STONE'S LEVEE— | | | |
| Balance to credit January 1, 1879..... | | 559 28 | |
| Receipts..... | 2,398 61 | | |
| Disbursements..... | 2,280 00 | 118 61 | |
| Balance.... | | | 677 87 |
| SCOVILL AVENUE— | | | |
| Overdrawn January 1, 1879..... | | 291 55 | |
| Receipts..... | 3,947 94 | | |
| Disbursements.. | 3,277 00 | 670 94 | |
| Balance... | | | 379 39 |
| SENECA STREET DAMAGES— | | | |
| Balance to credit January 1, 1879..... | | 95 78 | |
| Receipts..... | 17,993 57 | | |
| Disbursements..... | 14,335 80 | 3,657 77 | |
| Balance | | | 3,758 50 |

CITY TREASURER'S REPORT.

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| | | |
|--|-----------|-----------|
| SEWER DISTRICT NO. 3, E. C.— | | |
| Balance to credit January 1, 1879..... | \$ 654 82 | |
| Balance..... | | \$ 654 82 |
| SEWER DISTRICT NO. 4— | | |
| Balance to credit January 1, 1879..... | 4,343 19 | |
| Disbursements..... | 984 00 | |
| Balance..... | | 3,359 19 |
| SEWER DISTRICT NO. 6— | | |
| Balance to credit January 1, 1879..... | 768 05 | |
| Balance..... | | 768 05 |
| SEWER DISTRICT NO. 8— | | |
| Balance to credit January 1, 1879..... | 674 98 | |
| Receipts from County Treasurer..... | \$ 258 80 | |
| Disbursements..... | 256 15 | 2 65 |
| Balance .. | | 677 63 |
| SEWER DISTRICT NO. 9— | | |
| Overdrawn January 1, 1879..... | 691 61 | |
| Receipts from County Treasurer..... | 752 59 | |
| Balance..... | | 60 98 |
| SEWER DISTRICT NO. 11— | | |
| Balance to credit January 1, 1879..... | 207 00 | |
| Receipts from County Treasurer..... | 1,186 22 | |
| Disbursements..... | 1,140 00 | 46 22 |
| Balance .. | | 253 22 |
| SENECA STREET— | | |
| Overdrawn January 1, 1879..... | 927 01 | |
| Receipts..... | 9,609 62 | |
| Disbursements .. | 6,886 00 | 3,273 62 |
| Balance..... | | 2,346 61 |
| SUPERIOR STREET RE-PAVING— | | |
| Balance to credit January 1, 1879.. | 92 73 | |
| Disbursements..... | 3,745 00 | |
| Receipts | 3,724 15 | 20 85 |
| Balance .. | | 71 88 |
| SLATER STREET DAMAGES— | | |
| Balance to credit January 1, 1879..... | 42 19 | |
| Receipts..... | 11,102 05 | |
| Disbursements..... | 3,175 25 | 7,926 80 |
| Balance..... | | 7,968 99 |
| ST. CLAIR STREET DAMAGES— | | |
| Balance to credit January 1, 1879..... | 1,349 72 | |
| Receipts | 38,440 09 | |
| Disbursements .. | 37,655 22 | 784 87 |
| Balance..... | | 2,134 59 |
| SUMMITT STREET OPENING— | | |
| Balance to credit January 1, 1879..... | 1,594 59 | |
| Receipts | 8,247 38 | |
| Disbursements..... | 6,219 50 | 2,027 88 |
| Balance..... | | 3,622 47 |

| | | | |
|---|-------------|------------|----------|
| ST. PAUL STREET DAMAGES— | | | |
| Balance to credit January 1, 1879. | | \$ 61 44 | |
| Receipts..... | \$ 2,572 45 | | |
| Disbursements | 3,539 84 | | |
| | | 82 61 | |
| Balance | | | \$ 94 05 |
| ST. PAUL STREET— | | | |
| Overdrawn January 1, 1879.. | | 2,514 87 | |
| Receipts | | 2,539 84 | |
| Balance | | | 24 97 |
| SEYLER ALLEY— | | | |
| Balance to credit January 1, 1879..... | | 688 79 | |
| Balance..... | | | 688 79 |
| SEWER DISTRICT NO. 12— | | | |
| Overdrawn January 1, 1879..... | | 1,735 49 | |
| Receipts from County Treasurer..... | 10,159 71 | | |
| Disbursements..... | 8,042 74 | | |
| | | 2,116 97 | |
| Balance..... | | | 381 57 |
| TOD STREET— | | | |
| Overdrawn January 1, 1879.. | | 2 33 | |
| Receipts | 5,868 95 | | |
| Disbursements..... | 4,732 05 | | |
| | | 1,136 90 | |
| Balance... .. | | | 1,134 57 |
| UNIVERSITY STREET— | | | |
| Balance to credit January 1, 1879..... | | 175 69 | |
| Receipts | | 23 73 | |
| Balance... .. | | | 199 42 |
| UNIVERSITY STREET DAMAGES— | | | |
| Balance to credit January 1, 1879..... | | 167 12 | |
| Receipts | | 220 95 | |
| Balance | | | 388 07 |
| VIADUCT FUND— | | | |
| Balance to credit January 1, 1879 | | 175,719 05 | |
| Disbursements... .. | | 173,227 74 | |
| Balance..... | | | 2,491 31 |
| VIADUCT SINKING FUND— | | | |
| Receipts from County Treasurer..... | 19,333 85 | | |
| " " rents..... | 337 75 | | |
| | 19,671 10 | | |
| Disbursements..... | 19,333 35 | | |
| | | 337 75 | |
| Balance | | | 337 75 |
| WILLSON AVENUE DAMAGES— | | | |
| Balance to credit January 1, 1879 | | 29 82 | |
| Receipts | 9,922 10 | | |
| Disbursements..... | 8,363 49 | | |
| | | 1,558 61 | |
| Balance | | | 1,588 43 |
| WOOD STREET DAMAGES— | | | |
| Overdrawn January 1, 1879..... | | 53 69 | |
| Receipts | 155 94 | | |
| Disbursements | 85 87 | | |
| | | 70 07 | |
| Balance.... .. | | | 16 38 |

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| | | | |
|---|-----------|----------|------------|
| VEGA AVENUE— | | | |
| Balance to credit January 1, 1879 | | \$ 95 47 | |
| Disbursements..... | \$ 821 00 | | |
| Receipts | 819 91 | | |
| | | 1 09 | |
| Balance..... | | | \$ 94 38 |
| WARNER ROAD DAMAGES— | | | |
| Balance to credit January 1, 1879..... | | 196 06 | |
| Disbursements | 217 88 | | |
| Receipts | 215 18 | | |
| | | 2 20 | |
| Balance | | | 166 86 |
| WILLSON AVENUE— | | | |
| Balance to credit January 1, 1879..... | | 8,082 04 | |
| Disbursements..... | 29,710 91 | | |
| Receipts..... | 29,284 78 | | |
| | | 426 18 | |
| Balance..... | | | 7,655 91 |
| WEDDELL STREET— | | | |
| Balance to credit January 1, 1879..... | | 731 96 | |
| Balance..... | | | 731 96 |
| | | | 255,735 51 |

Respectfully Submitted,

S. T. EVERETT,

City Treasurer.

ANNUAL REPORT

OF THE

SINKING FUND COMMISSIONERS,

OF THE

CITY OF CLEVELAND,

FOR THE FISCAL YEAR ENDING DEC. 31, 1879.

REPORT OF SINKING FUND COMMISSIONERS.

To the Honorable City Council of Cleveland :

The Sinking Fund Commissioners in compliance with law submit their Report for the year 1879:

FIRST.

WATER WORKS SINKING FUND.

EIGHTEENTH ANNUAL STATEMENT.

| | |
|--|--------------|
| The gross income for the year is | \$123,726 97 |
| The expense for the year is | 650 00 |
| <hr/> | |
| Leaving the net income | \$123,076 97 |

CASH RECEIPTS.

| | |
|--|-------------|
| Jan. 15—For quarterly dividend on \$200,000 stock N. Y. C. R'y, 2 per cent..... | \$ 4,000 00 |
| Feb. 1—For semi-annual dividend on \$700,000 stock L. S. & M. S. R'y, 3 per cent..... | 21,000 00 |
| April 1—For semi-annual interest on \$293,000 7 per cent.bonds L. S. & M. S. R'y.... | 10,255 00 |
| For semi-annual interest on \$40,000 Cleveland City 7 per cent. bonds..... | 1,400 00 |
| April 15—For quarterly dividend on \$200,000 stock N. Y. C. R'y, 2 per cent..... | 4,000 00 |
| June 1—For semi-annual interest on \$25,000 Cin cinnati & Ind. R'd 7 per ct. bonds..... | 875 00 |
| For semi-annual interest on \$52,000 L. S. & M. S. Railway 7 per cent. bonds..... | 1,820 00 |

| | | |
|-----------|---|-------------|
| | For semi-annual interest on \$250,000 C. & N. W. Railway 7 per cent. bonds..... | \$ 8,750 00 |
| July 1— | For semi-annual interest on \$30,000 Jamestown & F. R'd 7 per cent. bonds..... | 1,050 00 |
| | For semi-annual interest on \$300,000 Cleveland City 7 per cent. bonds..... | 10,500 00 |
| | For semi-annual interest on \$12,500 Cleveland City 6 per cent. bonds..... | 375 00 |
| | For J. & F. Railroad bonds matured..... | 10,000 00 |
| July 15 — | For quarterly dividend on \$200,000 stock N. Y. C. Railway, 2 per cent..... | 4,000 00 |
| Aug. 1 — | For semi-annual dividend on \$700,000 stock L. S. & M. S. Railway, 2½ per cent..... | 17,500 00 |
| | For temporary loan..... | 7,290 02 |
| Oct. 1— | For semi-annual interest on \$293,000 L. S. & M. S. Railway 7 per cent. bonds..... | 10,255 00 |
| | For semi-annual interest on \$40,000 Cleveland City 7 per cent. bonds..... | 1,400 00 |
| | For L. S. & M. S. bonds matured..... | 100,000 00 |
| Oct. 15 — | For quarterly dividend on \$200,000 stock N. Y. C. Railway, 2 per cent..... | 4,000 00 |
| | For 1,000 shares stock L. S. & M. S. Railway sold, net..... | 100,425 00 |
| Nov. 1— | For 1,000 shares stock L. S. & M. S. Railway sold, net..... | 101,050 00 |
| Nov. 5 — | For Interest on deposits..... | 22 32 |
| Dec. 1 — | For semi-annual interest on \$25,000 Cincinnati & Ind. R'd 7 per cent. bonds..... | 875 00 |
| | For semi-annual interest on \$52,000 L. S. & M. S. Railway 7 per cent. bonds..... | 1,820 00 |
| | For semi-annual interest on \$250,000 C. & N. W. Railway, 7 per cent. bonds..... | 8,750 00 |
| | For semi-annual interest on \$100,000 C. & A. Bridge Co. 7 per cent. bonds..... | 3,500 00 |
| Dec. 15 — | For semi annual interest on \$50,000 Valley Railway 7 per cent. bonds..... | 1,750 00 |

REPORT OF SINKING FUND COMMISSIONERS. 119

1880.

| | | |
|--------|--|--------------|
| Jan. 1 | — For semi-annual interest on \$20,000 J. & F. R'd 7 per cent. bonds..... | \$ 700 00 |
| | For semi-annual interest on \$300,000 Cleveland City 7 per cent. bonds..... | 10,500 00 |
| | For Interest on deposits | 445 62 |
| | Cash on deposit January 1879, as per report..... | 190 53 |
| | | <hr/> |
| | | \$448,498 49 |

CASH EXPENDITURES.

1879.

| | | |
|---------|---|-------------|
| Jan. 16 | — Payment on loan of Second National Bank..... | \$ 4,000 00 |
| Feb. 1 | “ “ “ “ “ “ | 21,000 00 |
| April 1 | “ “ “ “ “ “ | 11,655 00 |
| | 16 “ “ “ “ “ “ | 4,000 00 |
| June 1 | “ “ “ “ “ “ | 11,445 00 |
| July 1 | — Payment of Water Works bonds, matured, \$25,000 Less amount a part of Sinking Fund..... | 12,500 |
| | | <hr/> |
| | | 12,500 |
| | 2—Payment on purchase of \$50,000 Valley Railway 7 per cent. bonds at 75c..... | 9,000 00 |
| | 16—Payment on purchase of Valley R'y 7 per ct. bonds | 4,000 00 |
| Aug. 1 | — “ “ “ “ “ “ “ “ | 17,500 00 |
| | 15— “ “ “ “ “ “ “ “ | 7,000 00 |
| | Interest on deferred payments of above purchase.. | 290 02 |
| Oct. 1 | — Payment in full of principal of loan of Second National Bank..... | 33,900 00 |
| | Interest on loan of Second National Bank,... | 2,171 45 |
| | Payment of temporary loan..... | 7,290 02 |
| | Interest on same..... | 56 32 |
| Oct. 6 | — Purchase at par 500 shares stock of Kalamazoo, Allegan & Grand Rapids Railroad, six per cent. dividend guaranteed by L. S. & M. S. Rail- way Co., payable semi-annually..... | 50,000 00 |
| | 30—Purchase of \$100,000 Chicago & Atchison Bridge Co. first mortgage 7 per cent. gold bonds..... | 100,000 00 |
| | Interest accrued on same..... | 2,916 66 |
| Nov. 28 | — Purchase of individual note with collateral security | 58,590 00 |
| | Interest accrued on same..... | 341 77 |
| | Express charges on coupons for the year..... | 39 75 |
| | Expenses for the year..... | 650 00 |

1880.

| | |
|-----------------------------|--------------|
| Jan. 1—Cash on deposit..... | \$90,152 50 |
| | <hr/> |
| | \$448,498 49 |

The following items constitute the Water Works Sinking Fund, January 1st, 1880:

| | |
|--|----------------|
| 5,000 shares stock L. S. & M. S. Railway Co...Par value, \$ | 500,000 00 |
| 2,000 " " N. Y. C. & H. R. " " .. " | 200,000 00 |
| 500 " " Kalamazoo, Allegan & Grand Rapids Railroad Company.....Par value | 50,000 00 |
| C. & N. W. R'y 7 per cent. bonds..... | " 250,000 00 |
| L. S. & M. S. R'y 7 per cent. bonds..... | " 245,000 00 |
| Jamestown & Franklin Railroad 7 per cent. bonds | " 20,000 00 |
| Cincinnati & Indianapolis " " " " | " 25,000 00 |
| Valley Railway " " " " | " 50,000 00 |
| Chicago & Atchison Bridge Co. " " " " | " 100,000 00 |
| Cleveland City Water Works " " " " | " 300,000 00 |
| Cleveland City House Correction " " " " | " 40,000 00 |
| Individual note, with collateral security, " " | " 58,590 00 |
| Cash on deposit..... | 90,152 50 |
| | <hr/> |
| Total..... | \$1,928,742 50 |

SECOND.

VIADUCT SINKING FUND.

FIRST ANNUAL STATEMENT.

CASH RECEIPTS.

1879.

| | |
|---|--------------|
| May 16—Of City Treasurer..... | \$ 31,376 22 |
| July 1—Interest on deposits..... | 154 72 |
| Sept. 16—Of City Treasurer..... | 19,333 35 |
| Oct. 1—For payment of temporary loan..... | 7,290 02 |
| Interest on same..... | 56 32 |
| Dec. 15—Interest on \$265,000 Valley R'y 7 per cent. bonds from Nov. 4 to date..... | 2,083 70 |
| 1880. | |
| Jan. 1—Interest on deposits..... | 292 93 |
| | <hr/> |
| | \$60,587 26 |

CASH EXPENDITURES.

| | |
|--|-------------|
| Aug. 15—Temporary loan..... | \$ 7,290 02 |
| Oct. 1—Purchase 500 shares stock Kalamazoo, Allegan and Grand Rapids Railroad Co. 6 per cent. dividend, guaranteed by L. S. & M. S. R'y Co., payable semi-annually..... | 50,000 00 |
| Cash on deposit January 1, 1880..... | 3,297 24 |
| | <hr/> |
| | \$60,587 26 |

The following items constitute the Viaduct Sinking Fund Jan. 1, 1880:

| | |
|--|--------------|
| 500 shares stock Kalamazoo, Allegan & Grand Rapids Rail- road Co., 6 per cent. dividend guaranteed by L. S. & M. S. R'y Co.. payable semi-annually, par value | \$ 50,000 00 |
| Valley Railway 7 per cent. bonds, par value..... | 265,000 00 |
| Cash on deposit..... | 3,297 24 |
| | <hr/> |
| Total..... | \$318,297 24 |

THIRD.

GENERAL SINKING FUND.

FIRST ANNUAL STATEMENT.

CASH RECEIPTS.

| | |
|------------------------------------|-------------|
| 1879. | |
| Sept. 16—Of City Treasurer..... | \$26,623 38 |
| 1880. | |
| Jan'y. 1—Interest on deposits..... | 271 75 |
| | <hr/> |
| | \$26,895 13 |

CASH EXPENDITURES.

| | |
|---|-------------|
| 1879. | |
| Nov. 1—Paid City Treasurer to redeem Cleveland City Bonds maturing November 1..... | \$ 6,000 00 |
| 1880. | |
| Jan'y 1—Cash on deposit..... | 20,895 13 |
| | <hr/> |
| | \$26,895 13 |

The assets of the General Sinking Fund are

Cash on deposit..... \$20,895 13

RECAPITULATION OF AMOUNT OF ASSETS.

Water Works Sinking Fund, par value. \$1,928,742 50

Viaduct Sinking Fund, " 318,297 24

General Sinking Fund, " 20,895 13

Grand total..... \$2,267,934 87

Total amount of City Bonds redeemed from Water Works

Sinking Fund to date..... \$450,000 00

Respectfully submitted.

H. B. PAYNE,
WM. BINGHAM,
J. H. WADE.
CHARLES HICKOX.

} Sinking Fund
Commissioners.

H. C. HAWKINS, Secretary.

CLEVELAND, O., January 3, 1880.

ANNUAL REPORT
OF THE
CITY CLERK,
OF THE
CITY OF CLEVELAND,
FOR THE YEAR ENDING DEC. 31, 1879.

CITY CLERK'S REPORT.

To the Honorable City Council :

GENTLEMEN:—I have the honor herewith to submit a report of the business transacted in this department during the year ending December 31st, 1879.

LICENSES.

There have been issued during the year 9,273 licenses of all kinds, for which \$14,137 75 have been collected and paid into the City Treasury to the credit of the several funds as provided by ordinance, to-wit :

| | | | | |
|-----------------------|---|---|---|-------------|
| To the General Fund | - | - | - | \$ 3,526 25 |
| To the Infirmary Fund | - | - | - | 3,251 50 |
| To the Police Fund | - | - | - | 7,360 00 |
| | | | | <hr/> |
| Total | - | - | - | \$14,137 75 |

The following is an exhibit in detail of licenses issued, showing the class and character of the license, the time for which issued, the number issued, the rate as fixed by ordinance, and the amount collected:

| CLASS. | Time. | No. | Rate. | Amount. | Total. |
|----------------------------|------------|-----|---------|------------|-------------|
| Peddlers, first class..... | 1 Year | 51 | \$25 00 | \$1,275 00 | |
| " " | 11 Months. | 5 | 23 00 | 115 00 | |
| " " | 10 " | 1 | 21 00 | 21 00 | |
| " " | 9 " | 3 | 19 00 | 57 00 | |
| " " | 8 " | 2 | 17 00 | 34 00 | |
| " " | 7 " | 1 | 15 00 | 15 00 | |
| " " | 6 " | 5 | 13 00 | 65 00 | |
| " " | 5 " | 5 | 11 00 | 55 00 | |
| " " | 4 " | 1 | 9 00 | 9 00 | |
| " " | 3 " | 2 | 7 00 | 14 00 | |
| " " | 2 " | 2 | 5 00 | 10 00 | |
| " " | 1 " | 4 | 3 00 | 12 00 | \$ 1,682 00 |
| Peddlers, 2nd class..... | 1 Year. | 6 | 6 00 | 36 00 | |
| " " | 6 Months | 145 | 3 00 | 435 00 | |
| " " | 3 " | 87 | 2 00 | 174 00 | |
| " " | 1 " | 176 | 1 00 | 176 00 | \$ 821 00 |
| Peddlers, 3rd class..... | 1 Year | 14 | 2 00 | 28 00 | |
| " " | 6 Months | 723 | 1 00 | 723 00 | \$ 751 00 |

| CLASS. | Time. | No. | Rate. | Amount. | Total. |
|---------------------------|---------|-------|---------|-----------|-------------|
| Express wagons..... | 1 Year | 240 | \$ 2 00 | \$ 480 00 | \$ 480 00 |
| Drays..... | 1 " | 92 | 2 00 | 184 00 | 184 00 |
| Moving wagons..... | 1 " | 19 | 2 00 | 38 00 | 38 00 |
| Carriages..... | 1 " | 65 | 5 00 | 325 00 | 325 00 |
| Omnibusses..... | 1 " | 23 | 5 00 | 115 00 | 115 00 |
| Street R. R. cars..... | 1 " | 49 | 10 00 | 490 00 | 490 00 |
| Intelligence offices..... | 1 " | 3 | 10 00 | 30 00 | 30 00 |
| Loan Office..... | 1 " | 12 | 50 00 | 600 00 | 600 00 |
| Ferry licenses..... | 1 " | 3 | 10 00 | 30 00 | 30 00 |
| Drivers..... | 1 " | 37 | 1 00 | 37 00 | 37 00 |
| Docks and wharves..... | 1 " | 8 | | | 570 00 |
| Butchers and pack's | 1 " | 11 | 5 00 | 55 00 | 55 00 |
| Exhibitions‡ | | 11 | 1 00 | 11 00 | |
| " | | 2 | 2 00 | 4 00 | |
| " | | 4 | 3 00 | 12 00 | |
| " | | 10 | 2 00 | 20 00 | 47 00 |
| Newsboys..... | 1 Year* | 422 | 25 | 105 50 | |
| Bootblacks..... | 1 " | 213 | 25 | 53 25 | 158 75 |
| Dogs, males .. | 1 " | 5,908 | 1 00 | 5,908 00 | |
| Dogs, females.... | 1 " | 908 | 2 00 | 1,816 00 | 7,724 00 |
| Total..... | | 9,273 | | | \$14,137 75 |

‡ Previous to September 1st, 1879, this class of license was issued from the Mayor's office.

THE DOG LICENSE.

The ordinance requiring owners of dogs to procure a license was passed June 4th, 1877, and the number of dogs licensed for the three years during which the ordinance has been in force is as follows :

| | | | | | | |
|------|---|---|---|---|---|--------|
| 1877 | - | - | - | - | - | 10,088 |
| 1878 | - | - | - | - | - | 7,947 |
| 1879 | - | - | - | - | - | 6,816 |

The very material decrease in the number licensed in the successive years indicates either a disastrous dog epidemic or a general exodus, or that we have in our midst a horde of lawless curs, whose owners have not exhibited a proper regard for the majesty of the law.

HARBORS AND WHARVES.

The city owns and controls 65 wharf spaces, representing an aggregate harbor frontage of 4,959½ feet, of this number 36, with a frontage of 2,758½ feet, are in serviceable condition. Advertisement is made yearly for proposals for license to collect wharfage fees; bids were received, and awards made for 1879 upon 14 spaces, the accepted bids aggregating \$810, of which amount \$390 has been received and paid into the City Treasury, the balance remaining due.

NEWSBOYS AND BOOTBLACKS.

The revenue derived from the license imposed upon these embryo citizens is a trifle in excess of the cost of badges, printing, etc., but it is believed that great good has resulted from the operation of the ordinance regulating these industries.

PRINTING, STATIONERY SUPPLIES, ETC.

Previous to 1878 the ordering of printing, blank books and stationery supplies was left entirely to the discretion of the several departments, each officer purchasing and ordering where he might elect. An ordinance was passed by your honorable body December 10, 1877 "To regulate the ordering of printing and the ordering and purchasing of stationery, blank work of all kinds and other office supplies" under the provisions of which and of subsequent ordinances on the same subject matter, advertisement for proposals for furnishing this class of supplies is made annually and contracts awarded to the lowest bidders.

A very considerable saving has resulted, and from the fact that in no instance has complaint been preferred from any

of the departments, it is believed that the system is in every respect satisfactory.

In anticipation of a marked advance in prices, justified by subsequent information, some classes of goods having advanced from 50 to 75 per cent., the City Clerk, upon consultation with his honor the Mayor, the City Solicitor and the City Auditor, purchased largely of the supplies required for the ensuing year, at the prices made in the existing contracts, all of which expire January 27th, 1880.

The supplies will be issued from this office as ordered by the departments.

From the annexed exhibit it will be seen that the aggregate expenditure for the year ending December 31st, 1879, has been \$4,610 58 or \$1,456 04 less than that of 1878, for the same class of supplies ; this is in a measure attributable to the fact that the contracts for 1879 were more favorable than those of 1878, as it is believed the departments have generally limited their orders to the actual requirements of the service.

The following is a statement in detail of the supplies furnished the departments during the year :

| DEPARTMENTS. | Blank Books. | Printing. | Paper and Envelopes. | Stationery Supplies. | Litho- graphing. | Engineers Supplies. | Total. |
|-----------------------------|-----------------|------------|-------------------------|-------------------------|---------------------|------------------------|-------------|
| Mayor | \$ 2 75 | \$ 82 43 | ..... | 82 | \$ 46 00 | ..... | \$ 132 00 |
| Board of Improvements | 56 37 | 5 05 | 16 47 | 11 00 | ..... | ..... | 88 89 |
| Fire Department..... | 82 10 | 128 60 | 30 78 | 46 45 | ..... | ..... | 287 88 |
| Police Department..... | 162 73 | 416 56 | 66 37 | 135 00 | 22 45 | ..... | 808 11 |
| Police Court | 74 96 | 43 00 | ..... | 16 36 | ..... | ..... | 134 32 |
| Workhouse..... | 46 25 | 91 77 | 12 50 | 26 44 | 50 10 | ..... | 227 06 |
| Infirmary | 16 90 | 68 00 | 9 30 | 13 76 | 10 00 | ..... | 117 96 |
| Water Works | 19 76 | 51 75 | 27 65 | 10 54 | ..... | ..... | 109 70 |
| Auditor..... | 188 28 | 137 18 | 10 58 | 52 73 | 131 80 | ..... | 520 57 |
| Treasurer..... | 19 50 | 3 50 | 3 52 | 7 48 | ..... | ..... | 34 00 |
| City Clerk..... | 185 19 | 897 25 | 21 12 | 35 46 | 19 35 | ..... | 1,158 37 |
| Solicitor..... | 3 50 | 363 28 | 13 55 | 4 01 | ..... | ..... | 374 32 |
| City Civil Engineer..... | 56 97 | 47 50 | 20 65 | 47 34 | 8 70 | 29 41 | 210 57 |
| Street Commissioner..... | 20 94 | 4 30 | 8 86 | 18 73 | ..... | ..... | 52 83 |
| Markets..... | 22 50 | 12 00 | 2 00 | 3 90 | ..... | ..... | 40 40 |
| Parks..... | ..... | 75 | ..... | ..... | ..... | ..... | 75 |
| Health | 178 35 | 123 25 | 12 30 | 4 00 | ..... | ..... | 317 90 |
| Total .. | \$ 1,137 05 | \$2,466 15 | \$ 255 65 | \$ 484 02 | \$ 288 40 | \$ 29 41 | \$ 4,610 58 |

ADVERTISING.

The following is an exhibit of the cost of advertising for the year ending December 31st, 1879, as charged to the several departments :

| DEPARTMENTS. | AMOUNT. | TOTAL. |
|------------------------------------|-------------|-------------|
| Mayor..... | \$ 1,135 00 | |
| City Clerk..... | 4,141 64 | |
| City Civil Engineer..... | 341 15 | |
| City Auditor .. | 51 59 | |
| City Treasurer..... | 122 09 | |
| Board of Improvements..... | 123 55 | |
| Board of Fire Commissioners..... | 92 03 | |
| Board of Workhouse Directors..... | 56 46 | |
| Board of Water Works Trustees..... | 65 26 | |
| Board of Infirmary Directors..... | 33 79 | |
| Board of Police Commissioners..... | 14 29 | |
| Board of Park Commissioners..... | 6 63 | |
| Health Department ... | 31 17 | |
| Markets..... | 82 32 | \$ 6,296 97 |

This is \$2,930 82 in excess of the cost of advertising the previous year ; over sixty per cent. of this excess represents the increase in the amount of advertising required to be done in 1879 as compared with 1878.

The contract for 1879 was not so advantageous to the city as that of 1878, and your honorable body by resolution adopted April 28th, 1879, extended the means of information heretofore accorded to our German citizens at a corresponding increase in the cost.

INDEXING.

The necessity for frequent reference to the records and files in the department renders a perfect system of indexing essen-

tial. This becomes more apparent as the growth of the city engenders added requirements in the management of affairs, and as these records and files multiply with ever increasing rapidity, the search for specific data in the absence of such indexing becomes a matter of much labor, large expenditure of time and great uncertainty as to the result of the search.

Prior to 1870 no system of indexing whatever was in use, and the system then adopted and since followed, with such improvements as have from time to time suggested themselves has not fully met the requirements of the case.

An effort has been made to supply this need, but the progress made is necessarily so slow, with the force now engaged in the department, that I am constrained to suggest that an additional assistant be assigned to duty for such time as may be required to complete the work.

MISCELLANEOUS MATTERS.

During the year ending December 31st, 1879, 241 ordinances were introduced into the Council, of which number 161 have been passed and placed upon record, six were laid upon the table, 33 were otherwise disposed of and 41 were pending at the expiration of the year. Of the ordinances passed 25 were for the payment of claims, aggregating \$2,323,901 44.

There were 1,449 resolutions introduced and variously disposed of.

During the year there have been held 52 regular meetings, at two of which no quorum was present; three special and seven adjourned meetings.

Four members have resigned during the present year, viz.: Messrs. Alva J. Smith, Sixteenth ward, March 10th; Frank Rieley, Twelfth ward, March 31st; Ferdinand H. Eggers, Fourteenth ward, April 28th; Robert M. Cordes, Eleventh ward, May 19th.

Two members have been expelled, viz.: Mr. Franklin Leonard, Ninth ward; October 20th, and Mr. John Darragh, Eighth ward, November 3d.

Respectfully submitted,

W. H. ECKMAN,
City Clerk.

ANNUAL REPORT
OF THE
CITY SOLICITOR
OF THE
CITY OF CLEVELAND,
FOR THE YEAR ENDING DEC. 31, 1879.

City Solicitor's Report.

To the City Council:

I have the honor of submitting my Fifth Annual Report as City Solicitor. The tables therein found furnish all official information as to the city's litigation, and I find but few official comments necessary. As was anticipated, the result of the decisions in the Supreme Court of the numerous tax cases taken there by property owners by litigation with the municipal government was a rapidly increasing cause of more litigation. As soon as the court of last resort had decided these tax questions adversely to the city, those persons who had paid special assessments levied and assessed by the municipality demanded that the city should return all the money paid by them on these illegal assessments. The corporation refused this demand, and justified this position under the statute of limitations, as contained in the laws of Ohio, which confines the right to bring an action to one year after the payment of the tax in question. Large numbers of tax payers brought actions to recover the taxes already paid. The Court of Common Pleas finally heard these cases, and held, as a matter of law, that no recovery could be had for money paid on these special assessments more than a year before the suit to recover the same was brought, thus settling the question of refunding the assessments heretofore made; that the city was under no obligation to refund money paid on special assessments, after the expiration of a year from the time of payment. The city, however, will give credit to the persons paying these amounts on the new assessments on the original cost of the improve-

ment. All the recovery had in any court was for assessments paid within the year next preceding the bringing of the action. The plaintiffs in these cases, not content with the decision as to this feature of the cases against them, have refused to concede this to be good law, and have taken these cases up to District Court, on their way to the Supreme Court of the State, where it will finally be decided. So far as the tax paid by the property holder within a year before the demand for its refunding was made, the city yielded what it was under legal obligation to yield, and repaid to all tax payers what it was under obligation to refund, without cost or litigation—the special assessments levied and collected within the period of one year next preceding such demand. The city has repaid all these assessments that she was in contemplation of law bound to repay or return to those who paid them. These several assessments are now in process of reassessment on the lands benefited thereby, and in making these new assessments care has been taken to assess them in accordance with the law laid down by the Supreme Court of the State, and it is confidently believed that the collection thereof will be enforced, and thus the grand duplicate will not be called upon to bear any considerable portion of the cost and expense of these several improvements as a general tax upon the property of all our citizens. The litigation of the city has been very heavy for the last year, but I take great pleasure in being able to report that no disasters have occurred to the corporation in her legal affairs. I do not deem it important to attempt to summarize any further in regard to the city's litigation, inasmuch as the city has suffered no reverses in any of her litigation, but has uniformly been successful in all important matters.

Sometime ago the Honorable City Council passed a resolution requesting the city officers to state in their annual reports the several sums of money received and disbursed by them during the past year. The Solicitor has the honor to report that he received and paid over the following sums of money during the year past :

Received of Mix & Cook on judgment in C. P.

| | |
|--------------------------|----------|
| Court - | \$158 00 |
| Second payment | 154 06 |
| Third payment | 59 20 |

\$371 26

This money was paid by me to the Trustees of Water Works, for which I hold their receipt.

| | |
|---|----------|
| Collected of the Bank Street R. R. Co., on suit - | \$ 80 00 |
| Cleveland Collar Company | 584 71 |

\$664 71

The last two items I paid into the City Treasury and have the Treasurer's receipt therefor.

| | |
|---------------------------------|------------|
| Sum total collected - | \$1,035 97 |
|---------------------------------|------------|

Paid over the same.

WM. HEISLEY,
City Solicitor.

March 22d, 1880.

REPORT OF CITY'S LITIGATION.

CASES PENDING JANUARY 1, 1879.

On the first day of January, 1879, there were pending in the various State Courts, to which the city of Cleveland was a party, or in which it was interested, one hundred and fifty-five cases, distributed as follows:

| | |
|---|-----|
| Supreme Court of Ohio..... | 17 |
| District Court of Cuyahoga County.... | 20 |
| Common Pleas Court of Cuyahoga County.... | 118 |
| <hr/> | |
| Total number of cases,... | 155 |

CASES COMMENCED DURING 1879.

There were commenced during the year 1879 in the various State and United States Courts, two hundred and forty cases, wherein the city of Cleveland was a party, or in which it was interested, distributed as follows:

| | |
|--|-----|
| Supreme Court of Ohio... | 5 |
| District Court of Cuyahoga County | 22 |
| Common Pleas Court of Cuyahoga County..... | 191 |
| United States Circuit Court | 3 |
| Probate Court of Cuyahoga County..... | 2 |
| Police Court of the City of Cleveland | 1 |
| Magistrates' Courts of Cuyahoga County | 16 |
| <hr/> | |
| Total number of Cases | 240 |

Number of cases pending in said courts on the first day of January, 1879, and commenced during said year, 395.

CASES DISPOSED OF DURING 1879.

There were disposed of during the year 1879 one hundred and seventy cases, distributed as follows:

| | |
|---|------------|
| Supreme Court of Ohio.... | 13 |
| District Court of Cuyahoga County | 28 |
| Common Pleas Court of Cuyahoga County | 112 |
| Probate Court of Cuyahoga County.... | 1 |
| Police Court of the City of Cleveland... | 1 |
| Magistrates' Courts of Cuyahoga County..... | 15 |
| Total number of cases ... | <u>170</u> |

CASES PENDING JANUARY 1, 1880.

Leaving two hundred and twenty-five cases pending in said courts on the first day of January, 1880, distributed as follows:

| | |
|---|------------|
| Supreme Court of Ohio.... | 9 |
| District Court of Cuyahoga County..... | 14 |
| Common Pleas Court of Cuyahoga County | 197 |
| United States Circuit Court..... | 3 |
| Probate Court of Cuyahoga County. | 1 |
| Magistrate's Court of Cuyahoga County.... | 1 |
| Total number of cases. | <u>225</u> |

ANALYSIS OF CASES WHEREIN MONEY WAS SOUGHT, PENDING JANUARY 1, 1879, AND COMMENCED DURING SAID YEAR.

Of the cases pending on the first day of January, 1879, fifty-two were suits in which money compensation was claimed for injuries to the person and property through the alleged fault of the city.

The amount claimed in these cases was as follows:

| | |
|---|---------------------|
| In 15 cases for injury to person. | \$85,800 00 |
| In 37 cases for injury to property..... | 58,904 41 |
| Total amount claimed..... | <u>\$144,704 41</u> |

Of the cases commenced during the year 1879, one hundred and sixty-five were suits in which money compensation was claimed for injuries to the person and property through the alleged fault of the city.

The amount claimed in these cases was as follows:

| | |
|--|---------------------|
| In 6 cases for injury to person..... | \$ 42,000 00 |
| In 159 cases for injury to property..... | 223,183 31 |
| Total amount claimed..... | <u>\$265,183 31</u> |

Total amount of damage claimed for injuries to the person and property through the alleged fault of the city, in cases pending on the first day of January, 1879, and commenced during said year:

| | |
|--|---------------------|
| In 21 cases for injury to person..... | \$127,800 00 |
| In 196 cases for injury to property..... | 282,087 72 |
| Total amount claimed. | <u>\$409,887 72</u> |

Of the one hundred and ninety-six cases above enumerated for injury to property, one hundred and thirty-three were suits against the County Treasurers to recover assessments paid that had been levied by the city, wherein the sum of \$46,864 46 was claimed.

ANALYSIS OF CASES BROUGHT BY THE CITY, PENDING JANUARY 1, 1879, AND COMMENCED DURING 1879.

The number of cases pending on the first day of January, 1879, and commenced during said year, brought by the city for various purposes, were twenty-five.

The amounts involved in these cases are as follows:

| | |
|--|---------------------|
| In 11 cases pending January 1, 1879..... | \$ 89,903 58 |
| In 14 cases commenced during 1879..... | 61,561 02 |
| Total amount involved..... | <u>\$151,464 60</u> |

Twelve of these cases were disposed of during the year 1879, as follows:

| | |
|---|--------------------|
| City vs. Kinsman St. Railroad Co., judgment for.... | \$50,006 50 |
| City vs. Books, et al., judgment for..... | 202 02 |
| City vs. Forest, judgment for..... | 228 00 |
| Total amount of judgments..... | <u>\$50,436 52</u> |

The remaining nine cases were settled by the city without being brought to trial.

APPROPRIATION CASES APPEALED FROM PROBATE COURT.

There are two cases of this character now pending in the Court of Common Pleas, appealed by the claimants from the Probate Court, wherein damages were claimed and awarded in the latter Court, as follows;

| NAME OF STREET. | AMOUNT CLAIMED. | AMOUNT AWARDED. |
|------------------------|-----------------|-----------------|
| Warner Road..... | \$10,000 00 | \$ 150 00 |
| Marquette Street. | 28,000 00 | 18,084 00 |
| Total..... | \$38,000 00 | \$18,184 00 |

SUITS TO RECOVER BACK TAXES AND ASSESSMENTS.

There were pending on the 1st day of January, 1879, and commenced during said year, one hundred and thirty-three cases against the former and present County Treasurer to recover back taxes and assessments collected by them for the city, involving amounts, as follows:

| | |
|---|-------------|
| In 4 cases pending January 1, 1879..... | \$ 2,008 11 |
| In 129 cases commenced during 1879 .. | 44,856 35 |
| Total amount claimed..... | \$46,864 46 |

Of said amount there was disposed of during the year 1879, in favor of the city, the sum of \$20,056 75, on the ground that the same was collected more than one year before the commencement of the suits therefor, and hence could not be recovered. The balance of said amount is still pending in the courts.

AMOUNT SOUGHT TO BE RECOVERED IN CASES AGAINST AND FOR THE CITY.

The amount sought to be recovered in the various suits against and for the city, pending Jan. 1, 1879, and commenced during the year 1879, exclusive of injunction suits to restrain the collection of special assessments and general taxes levied by the city, ejectment suits wherein only real property is sought to be recovered, appropriation suits, and other suits in which no pecuniary compensation is demanded, is as follows:

| | |
|--|--------------|
| In cases pending January 1, 1879, | |
| Against the city..... | \$144,704 41 |
| For the city..... | 89,903 58 |
| Total amount pending January 1, 1879.... | \$234,607 99 |

In cases commenced during 1879,

| | |
|---|---------------------|
| Against the city | \$265,183 31 |
| For the city..... | 61,561 02 |
| Total amount commenced during 1879 | \$326,744 33 |
| Total amount sought to be recovered..... | \$561,352 32 |

ANALYSIS OF CASES DISPOSED OF DURING 1879.

Of the cases disposed of during the year 1879, seventy-seven were suits wherein damage was claimed for injuries done to the person and property of litigants through the alleged fault of the city.

AMOUNT CLAIMED IN THE ABOVE DISPOSED OF CASES.

| | |
|---|---------------------|
| In 8 cases for damage to person..... | \$ 52,800 00 |
| In 69 cases for damage to property. | 47,225 34 |
| Total amount claimed.... | \$100,025 34 |

There were but two recoveries in the courts on the part of the plaintiffs in these cases, as follows:

| TITLE OF CASES. | AMOUNT CLAIMED | AMOUNT GIVEN BY JURY. |
|------------------------------|-------------------|-----------------------|
| Horrigan vs. City..... | \$2,500 00 | \$100 00 |
| Stohlman vs. City.. . . . | 137 00 | 50 00 |
| Total amounts.. . . . | \$2,637 00 | \$150 00 |

The Horrigan case was tried twice, the jury disagreeing at the first trial.

Several of the foregoing cases were considered meritorious by this department, and the same were compromised and settled without coming to trial.

PROBATE COURT BUSINESS.

The only case brought by the city in the Probate Court during the year 1879 was an action to appropriate a piece of land for drainage purposes on Gallup street.

| NAME OF CASE. | IMPROVEMENT. | AMOUNT AWARDED. |
|----------------------|--------------------------------|-----------------|
| City vs. Vacker..... | Land taken to drain Gallup St. | \$200 00 |

TABULAR STATEMENT OF THE AMOUNT SOUGHT TO BE RECOVERED, AND THE AMOMNT ACTUALLY RECOVERED, IN THE DISPOSED OF CASES AGAINST THE CITY FOR THE PRECEDING TEN YEARS.

| | Year End- ing April 1, 1870 | Year End- ing April 1, 1871 | Year End- ing April 1, 1872 | Year End- ing Dec.31, 1872 | Year End- ing Dec.31, 1874 | Year End- ing Dec.31, 1875 | Year End- ing Dec.31, 1876 | Year End- ing Dec.31, 1877 | Year End- ing Dec.31, 1878 | Year End- ing Dec.31, 1879 |
|---------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| DISPOSED OF CASES. | | | | | | | | | | |
| NO. OF CASES. | | 46 | 39 | 46 | 70 | 87 | 94 | 85 | 97 | 170 |
| Amount claimed..... | \$15,150 00 | \$51,500 00 | \$25,817 20 | \$10,500 00 | \$34,987 00 | \$114,379 00 | \$40,447 07 | \$98,225 00 | \$44,585 00 | \$100,025 34 |
| Amount recovered... | \$240 00 | \$1,000 00 | \$395 14 | \$1,650 00 | \$767 00 | \$250 00 | \$9,079 25 | \$4,426 92 | \$ 412 00 | \$ 150 00 |

This Statement is not complete, as there was no report for the year ending December 31, 1873, owing to the illness of the City Solicitor. The municipal year formerly closed April 1st of each year, while it now closes with December 31st of each year.

A FURTHER STATEMENT FOR THE PAST SIX YEARS IS AS FOLLOWS :

| | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|
| Amount sought to be recovered in cases pending at the close of the year | \$131,620 00 | \$144,698 17 | \$151,671 23 | \$124,335 00 | \$320,326 44 | \$461,326 96 |
| Amount sought to be recovered in cases pending at the beginning of and instituted during the year. | \$259,079 17 | \$192,118 07 | \$212,600 00 | \$364,911 44 | \$561,352 32 | |

The last two statements do not contain the amount claimed and awarded in cases brought by the the city for the appropriation of real property for street and other purposes, nor the amount of damages claimed and awarded to property owners for grading and improving streets, as these amounts are paid by special assessment levied upon benefited property, and not by general taxation.

GENERAL STATEMENT OF CITY'S LITIGATION.

For the purpose of showing the extent and increase of the city's litigation during the past nine years, the following statement is presented :

| | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 |
|---|------|------|------|------|------|------|------|------|------|
| Cases pending at beginning of year . . . | 35 | 17 | 37 | 81 | 90 | 99 | 114 | 154 | 155 |
| Cases commenced during the year | 28 | 59 | 90 | 79 | 96 | 109 | 125 | 98 | 240 |
| Cases pending at beginning of and commenced during the year.... | 63 | 76 | 127 | 160 | 186 | 208 | 239 | 252 | 395 |
| Cases disposed of during the year..... | 46 | 39 | 46 | 70 | 87 | 94 | 85 | 97 | 170 |
| Cases pending at end of year..... | 17 | 37 | 81 | 90 | 99 | 114 | 154 | 155 | 225 |

ANNUAL REPORT

OF THE

CITY CIVIL ENGINEER,

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DEC. 31, 1879.

Civil Engineer's Report.

To the Honorable Board of Improvements :

GENTLEMEN:—I respectfully submit the Annual Report of the City Civil Engineer's Department for the year ending December 31st, 1879.

The total cost of all work done under the direction of this department during the year 1879 is \$92,214 64. Of this amount \$4,242 80 was paid out to complete contracts in the Viaduct, leaving a balance of \$87,971 84 for all other improvements. This amount includes streets graded and sewers built, and paid for by the property owners, without being placed on the tax duplicate. The above amount does not, however, include the cost of repairs on the various bridges of the city, the care and maintenance of which falls mainly upon the engineer's department.

There are now nine draw bridges across the Cuyahoga river, owned and operated by the city, besides Walworth Run bridge and several other smaller structures. The Swiss street bridge will have to be rebuilt in the course of two or three years, and I also recommend that the top cords of Walworth Run bridge be strengthened and a new system of lateral bracing be put in between the same in addition to those already in, also additional vertical sway bracing.

The easterly abutment of the Columbus street bridge ought to be rebuilt during the coming year. The pier at the northerly end of Seneca street draw bridge will have to be taken down and rebuilt, as it has moved latterly towards the river nearly two feet. This movement is caused by a land slide, the

towing path of the Ohio canal having slid into the river from two to three feet, for a distance of four or five hundred feet, and would have gone into the river if it had not been for the piles under the pier and those driven in the edge of the river, between it and the canal. The water has been drawn out of the canal, and that relieves the pressure to a great extent.

The Viaduct has now been in use one year, and so far has been managed without serious accident or great delay to the public. There have passed through the Viaduct draw, from March 1st, to December 31st, 1879, 3,572 craft, and the draw has been opened during that time 3,308 times.

Arrangements have been made to take off the upper part of Myers, Osborn & Co.'s stove works, so that the draw can be swung clear around, which will in many cases lessen the danger of being run into by passing vessels.

The canal improvement has been completed and the water drawn off, and the bed taken possession of by the Valley Railway Company. The act transferring the canal bed to the city, also requires the city to keep the Cuyahoga river in proper condition for the passage of canal boats, from the new transfer lock to the old outlet of the canal into the river. That part of the river between the transfer lock and Upper Central Way bridge is the only part that will need dredging for canal boats, there being but few docks on this part of the river, it fills up with sand and many bars have formed, and will continue to do so from year to year.

The river from the A. & G. W. R. R. bridge up to the New Lock had to be dredged or cleared of bars twice during the past season, and from the experience already had, it will probably cost from three to five thousand dollars per year to clear this part of the river of bars and keep it in proper condition.

The dredging of the river between Upper Central Way bridge and the government piers was let to Sims & Smith for one year, commencing June 23d, 1879. They have done considerable work under their contract. The amount estimated,

to them to date is \$22,211 94. On the first day of July, 1879, the river up to the C., C., C. & I. coal slips was in better condition than ever before, as vessels drawing 14 feet of water could pass up or down. Previous to 1879. contracts for dredging required only 14 feet of water, but the present contract requires 15 feet in the channel, being a foot deeper than any other contract yet made. The present contract also covers the old river bed, in which the city has not done any dredging for a number of years, except at the outlet of sewers. This will also add to the cost of dredging considerable over that of previous years.

During the latter part of 1879 the water in the lake was very low, as will be seen by Table No. 13. From July 1st to December 31st the water in the river averaged over ten inches lower than it did for the same time during 1878, and during the month of November, 1879, the water in the river was over one foot lower than during the same month the year previous. This was the cause of so many vessels being aground in the harbor, and made it necessary to do considerable dredging during the latter part of the season.

It has been suggested by many river men that the center channel of the lower part of the river be dredged out to a width of 70 or 80 feet and to a depth of 18 feet. This would place the river in such a condition that there would be an ample depth at all stages of water in the lake, and would need but a very small amount of dredging for a number of years to come. It may not be practicable to do it the coming season, but from Main street bridge up to Center street bridge it ought to be done to prevent the larger sized craft from dragging on the bottom, and thereby causing them to lose their steerage way in passing the Viaduct.

There should be at least \$30,000 provided for dredging during the coming season. It will all be needed, if the water is as low as it was last year.

PAVED STREETS.

The repairs on paved streets, commenced in 1878, were continued through 1879. There are a number of streets paved with wood, that have been laid from nine to thirteen years, that are so much decayed and worn that they cannot be properly repaired without great expense. Steps should be taken at once, under the "Burns Law," to raise the necessary funds in advance, to repave such streets as may be necessary. It will take from two to three years to get ready, or before any work can be done. Estimates are being made for repaving some fifteen streets with Medina, N. Y., sandstone.

STREET SURVEYS, ETC.

The accompanying tables will show the work done during 1879. The surveys do not amount to as many miles as in the previous years, but the work has been confined to a more central part of the city, and the lines of the streets never having been definitely established before, great care was taken to get lines that would not conflict or differ with lines that have been used, and to which improvements have been made. After comparing measurements with old records, and being satisfied that they were correct, substantial stone monuments have been set at each street intersection, from which future measurements can be taken, which will enable all surveyors and engineers to agree in the location of the boundary lines of property. Valuable assistance has been given by the surveyors and engineers in the city in this work, as their field notes and the result of their surveys have been given. Other work has been done and not included in the tables, such as an elevation plan of the Viaduct, showing the different changes that were made during its construction, and a number of plats furnished the City Solicitor's Department, to be used in cases against the city, besides the examination of numerous resolutions and petitions that have been reported on by the engineer. This work has been under the charge of Mr. C. A. Walter and his

assistant, Mr. S. J. Baker, which is a sufficient guarantee that it has been well and accurately done.

STREET LAMPS.

On the 3d of March, 1879, the City Council adopted the following resolution, by Mr. Stone:

"Resolved, That the City Engineer be, and he is hereby authorized to count and locate all the gas and coal oil lamps in the city by wards, and report the same to the Council Committee on Gas."

In pursuance of this resolution the City Civil Engineer delegated one of his assistants, Mr. S. J. Baker, to carry out its instructions, which proved to be a task requiring much care and labor. Before the first of May the entire count and location by wards of all the street lamps had been made and checked with the bills of the East and West Side Gas Companies and the contractor for lighting fluid lamps. A set of ward maps of the city, with each lamp post correctly located thereon, was prepared and bound in a volume convenient for reference. A written record describing the location of each lamp post in the city, and showing the number on each street in each ward, and on the east and west sides of the Cuyahoga river, May 1st, 1879, was made, and all additions, deductions and changes have been, up to present time, and will be in future carefully recorded, both in said record and on the ward maps.

The annexed table shows the number by wards of all the gas and fluid street lamps charged to the city January 1st, 1880.

WALWORTH RUN.

For some time past attention has been frequently called to the advisability of constructing a main sewer in Walworth Run of sufficient capacity to take up the Run and also serve as an outlet for the sewage of the Eleventh, Twelfth and Thirteenth wards. This has now become a sanitary necessity. Some years since surveys were made and maps prepared, having in

view the opening of a street from Scranton avenue up Walworth Run, for the purpose of constructing therein a sewer. The stringency of the times and the estimated cost of the improvement prevented its fulfillment at that time. The necessity of this improvement, in a sanitary point of view, is daily becoming more and more apparent as the territory south of the Run becomes more thickly settled and the demand for sewerage facilities increases. The past season I prepared plans and made an approximate estimate of the cost of converting the Run into a sewer, from the C. & M. R. R. culvert to Burton street. In view of the extent of the work and its great importance, the cost is not excessive, and I would again urge that the subject be given immediate and careful consideration. In conclusion I have to say that the present force of assistants employed in the Engineer's Department, seven in number, have been kept at work to good advantage and can be during the coming year. During the years 1875 and 1876 there were employed from 24 to 26 assistants. Since that time a gradual reduction has been made to the present number, and a reduction has also been made in the salaries paid to those retained.

There will not be very much work carried on by the city for the present, yet the routine business of the office, the making of estimates, surveys, maps, etc., will more than keep the present force fully employed.

Thanks are hereby tendered to Messrs. M. E. Rawson, C. A. Walter, J. S. Oviatt, Otto Dercum, T. H. Ogden, S. J. Baker and Thomas James for the ability and diligence they have displayed in the discharge of their respective duties.

Respectfully submitted,

B. F. MORSE,
City Civil Engineer.

TABLE NO. 1.
STREETS PAVED, CURBED, GRADED OR OTHERWISE IMPROVED.

| Name. | From. | To | How Improved. | Length. | Cost. | Contractor. |
|------------------------|-------------------------|--------------------------|---------------|---------|------------|-------------------------|
| Chestnut Ridge Road | Pelton's west line... | East line | Graded..... | 2450 | \$421 00 | Property owners. |
| Forest street..... | Orange street..... | Southerly..... | Curbed | 125 | 18 75 | " |
| Franklin avenue... .. | Waverly avenue. | Westerly.. | Gr'd & Crb'd | 770 | 415 80 | " |
| Gallup street. | Broadway.... | Northerly | Graded | 885 | 106 30 | " |
| Kirtland street..... | St. Clair street... | Superior street..... | Graded..... | 1127 | 236 50 | " |
| Lester street... .. | Gallup street.. | Fowler street..... | Graded | 680 | 64 68 | " |
| Ohio street. | Central Place.... | Hill street..... | Paved.... | 300 | 3,788 67 | Albion Medina Stone Co. |
| Orange street. | Forest street | Humbold street..... | Graded..... | 686 | 100 00 | City. |
| Perkins avenue..... | C. & P. R. R..... | Willard's west line..... | Graded..... | 785 | 108 15 | Property owners. |
| Smith street. | Lorain street | Southerly..... | Graded..... | 377 | 88 20 | " |
| Vermont street..... | Viaduct..... | Pearl street | Graded..... | 292 | 187 80 | " |
| White avenue..... | Willson avenue..... | Easterly | Graded. | 635 | 55 00 | " |
| Total..... | | | | \$9,112 | \$5,590 85 | |

TABLE NO. 2.
STREETS ON WHICH SIDEWALK GRADES HAVE BEEN GIVEN.

| NAME. | LENGTH. |
|---------------------|----------------------------------|
| Alabama street..... | 3,514 |
| Bond street.... | 266 |
| Buckley street .. | 200 |
| Cedar avenue .. | 60 |
| Clark avenue .. | 264 |
| Clinton avenue..... | 555 |
| Curtiss avenue..... | 50 |
| Forest street .. | 125 |
| Grant street..... | 1,600 |
| High street..... | 117 |
| Lorain street .. | 50 |
| Orange street..... | 100 |
| Payne avenue. | 250 |
| Portland street .. | 2,100 |
| Smith street..... | 730 |
| Walton avenue.... | 4,906 |
| Total feet..... | 14,887 |
| Total miles. | 2 ⁸² / ₁₀₀ |

TABLE NO. 3.
STREETS ON WHICH LEVELS HAVE BEEN RUN OR CROSS SECTIONS TAKEN.

| Name. | From. | To. | Width. | Length. | Work Done. |
|------------------------------|----------------------------|---------------------------|--------|---------|------------|
| Anson St. | Petrie Road. | Dolloff St. | 40 | 855 | Levels. |
| Armory Lot. | Charuplain St. | Long St. | 103 | 160 | C. S. |
| Ba.kwell St. | Broadway. | Petrie Road. | 60 | 1404 | Levels. |
| Blanche St. | Weckerling St. | Fence Line | 50 | 817 | C. S. |
| Canton St. | Broadway. | Cornell St. | 40 | 408 | Levels. |
| Clay St | Weckerling St. | Petrie Road. | 40 | 825 | C. S. |
| Chestnut Ridge Road. | Chestnut Ridge St. | Pelton's W. Line. | 60 | 3032 | C. S. |
| Cornell St. | Crossley St. | Burke Brook. | 40 | 400 | Levels. |
| Crossley St. | Cornell St. | Burke Brook. | 40 | 175 | Levels. |
| Dolloff St. | Petrie Road. | Fence Line | 50 | 2642 | C. S. |
| Erie St. | Summit St. | Lake Erie | 99 | 402 | C. S. |
| Frazce St. | Dolloff St | Petrie Road. | 40 | 691 | Levels. |
| Gallup St. | Broadway. | Northerly. | 50 | 870 | C. S. |
| Goethe St. | Blanche St. | Hamm St | 50 | 943 | C. S. |
| Guy St. | Petrie Road. | Weckerling St. | 40 | 825 | Levels. |
| Hamm St. | Broadway. | Petrie Road. | 50 | 1700 | C. S. |
| Hamburgh St. | Clark Ave. | Storer Ave. | 50 | 2616 | C S. |

TABLE NO. 3—Continued.

| Name. | From. | To. | Width. | Length. | Work Done. |
|-----------------------|-----------------|-------------------|---------|---------|------------|
| Hamilton St. | Ontario St. | Bond St. | 33 & 66 | 1012 | C. S. |
| Hartford St. | Clark Ave. | Storer Ave. | 50 | 2615 | C. S. |
| Haymarket. | Central Place. | Hill St. | 120 | 300 | C. S. |
| Iona St. | Clark Ave. | Storer Ave. | 50 | 2604 | C. S. |
| Isabella St. | Clark Ave. | Storer Ave. | 50 | 2596 | C. S. |
| Kirtland St. | St. Clair St. | Superior St. | 60 | 1127 | C. S. |
| Lot Line. | Willson Ave. | Addison St. | ..... | 1300 | Levels. |
| Lorain St. | Waverly Ave. | Chestnut Ridge. | 66 | 2900 | C. S. |
| Lorain St. | E. Bradford St. | Scranton Ave. | ..... | 2000 | Levels. |
| Market Lot, 19th Ward | Broadway. | Alley. | 132 | 247 | C. S. |
| Michigan St. | Seneca St. | Westerly. | 20 | 223 | C. S. |
| Orange St. | Forest St. | Humboldt St. | 60 | 686 | C. S. |
| Payne Ave. | Perry St. | Superior St. | 80 | 2873 | C. S. |
| Perkins Ave. | Willson Ave. | C & P. R. R. | 70 | 785 | C. S. |
| Perkins Ave. | Willard's W. L. | C. & P. R. R. | 70 | 445 | Levels. |
| Petrie St. | Clay St. | Independent Road. | 40 & 50 | 3105 | Levels. |
| Poplar St. | Storer Ave. | Clark Ave. | 50 | 2612 | C. S. |
| Randolph St. | Dolloff St. | Blanche St. | 50 | 716 | C. S. |

TABLE NO. 3—Continued.

| Name. | From. | To. | Width. | Width. | Work Done. |
|----------------------------|-------------------|---------------------|--------|--------|------------|
| Rockert St..... | Petrie Road..... | Dolloff St..... | 40 | 518 | C. S. |
| School Lot, 18th Ward..... | Broadway..... | Cornell St. | 162 | 394 | C. S. |
| Sewer Level..... | W. River St..... | Franklin Alley..... | | 112 | Levels. |
| Smith St..... | Loraln St..... | Alley.. | 60 | 505 | C. S. |
| Spring St. | Front St..... | St. Clair St..... | 50 | 1318 | Levels. |
| Theresa St..... | Wood St..... | Bond St | 16½ | 530 | C. S. |
| Tracy St..... | C. & M. R. R..... | Southerly..... | 66 | 223 | Levels. |
| Vermont St ... | Pearl St..... | Viaduct..... | 33 | 292 | C. S. |
| Walnut St..... | Murison St.... | Easterly..... | 66 | 703 | Levels. |
| Weckerling St. | Hamm St..... | Morgan Brook..... | 50 | 1240 | C. S. |
| White Ave. | Willson Ave..... | Corwin St..... | 60 | 635 | C. S. |
| Total Feet..... | | | | 53,441 | |
| Total Miles..... | | | | 10½ | |

TABLE NO. 4.
STREETS ON WHICH GRADES HAVE BEEN ESTABLISHED DURING 1879.

| Name. | From. | To. | Length. | When Established. |
|-----------------------|----------------------------|-------------------------|---------|-------------------|
| Blanche St. | Weckerling St. | Randolph St | 817 | November 10th. |
| Burwell St. | Wallingford Court. | Case Ave | 516 | July 28th. |
| Engel avenue. | Broadway. | Tod St. | 1,422 | February 3rd. |
| Goethe St. | Blanche St. | Hamm St | 943 | November 10th. |
| Guy St | Petrie Road. | Weckerling. | 825 | November 10th. |
| Hamm St. | Broadway. | Petrie Road. | 1,700 | November 10th. |
| Hamburgh St. | Train St. | Storer Ave. | 3,133 | November 10th. |
| Hartford St. | Clarke Ave. | Storer Ave. | 2,596 | October 27th. |
| Hillman St | Broadway. | Tod St. | 1,130 | February 3rd. |
| Iona St | Clark Ave. | Storer Ave. | 2,604 | September 2nd. |
| Isabella St. | Clark Ave | Storer Ave. | 2,596 | November 3rd. |
| Kirtland St. | Superior St. | St. Clair St. | 1,127 | February 24th. |
| Lorain St | Gordon Ave. | Chestnut Ridge. | 1,415 | July 28th. |

TABLE NO. 4.--Continued.

| Name. | From. | To. | Length. | When Established. |
|------------------|------------------|------------------|---------|-------------------|
| Payne Ave | Superior St.... | Perry St.... | 2,775 | August 11th. |
| Poplar St .. | Clark Ave.... | Storer Ave..... | 2,612 | October 27th, |
| Randolph St. . | Dolloff St..... | Blanche St..... | 716 | November 10th. |
| Vernont St.... | Viaduct..... | Pearl St..... | 292 | July 28th. |
| Weckerling St . | Hamm St..... | Blanche St | 363 | November 10th. |
| White Ave..... | Willson Ave..... | Norwood St. | 1,000 | July 28th, |
| Willson Ave..... | Sawtell Ave..... | Broadway..... | 1,816 | August 18th. |
| Total feet..... | | | 31,597 | |
| Total miles.... | | | 5.98 | |

TABLE NO. 5.
IMPROVEMENTS PROPOSED AND FOR WHICH ESTIMATES HAVE BEEN MADE.

| Location. | From. | To. | Proposed Improvement. | Estimated Cost. |
|--------------------------|---------------------------|--------------------------|-----------------------|-----------------|
| Broadway..... | West line of street | East line of street..... | Curbed.. | \$1,679 00 |
| Curtiss St | Willson avenue..... | Easterly..... | Grade, curb, ballast | 994 78 |
| Dunham Ave | Hough Ave | Euclid Ave..... | Sewer. | 2,308 66 |
| Hamburgh St..... | Clark Ave..... | Storer Ave .. | Grade..... | 329 53 |
| Hartford St. | Clark Ave..... | Storer Ave..... | Grade | 238 73 |
| Iona St.... | Clark Ave..... | Storer Ave..... | Grade | 459 08 |
| Isabella St | Clark Ave..... | Storer Ave .. | Grade | 644 45 |
| Lincoln Ave..... | Euclid Ave. | East Prospect St. | Sidewalk | 1,492 96 |
| Lorain St. | Waverly Ave..... | Chestnut Ridge Road..... | Grade, curb, ballast | 4,721 57 |
| Lorain st. extension.... | Bradford St..... | Scranton Ave..... | Grade and bridge... | 33,800 00 |
| N. Woodland Ave | South Woodland Ave | Congress St..... | Grade and culvert.. | 2,347 37 |
| Payne Ave..... | Superior St.... | Perry St..... | Grade, curb, ballast | 4,559 38 |
| Petrie Road | Clay St..... | Southerly .. | Grade..... | 1,000 00 |
| Poplar St.... | Clark Ave..... | Storer Ave..... | Grade..... | 811 00 |
| Walworth Run..... | A. & G. W. R. R | Burton St..... | Sewer | 93,762 00 |
| Total..... | | | | \$148,646 53 |

TABLE NO. 6.
MISCELLANEOUS WORK.

| NAME OF IMPROVEMENT. | CONTRACTORS. | COST |
|---|--|-------------|
| Armory—not completed..... | J. C. & P. M. Shell, Rob't Fletcher, John McMahon, Cleveland Bridge and Car Works..... | \$18,656 09 |
| Columbus St. Bridge—protection piling | James Gloyd | 533 50 |
| Concrete Pavement Repairs | Columbus Paving Co..... | 2,807 75 |
| Culvert, 18th Ward School Lot..... | Jacob Nau..... | 859 72 |
| Culvert, Independence Road..... | Fred Kuentze | 201 00 |
| Cuyahoga River Dredging | Sims & Smith | 22,211 94 |
| Culvert Repairs, Rhodes Ave..... | S. Wood & Sons..... | 353 20 |
| Dock at New Transfer Lock..... | L. F. Beers..... | 1,430 08 |
| East River St. Sewer—repairs..... | S. Wood & Sons. | 282 90 |
| Haymarket Scale House..... | Nadeau & Dickerman..... | 247 91 |
| Market House, 18th Ward—incomplete..... | Jacob Nau, Robert Fletcher, Baldwin Quarry Co. | 3,715 55 |
| Market, Central—roofing..... | J. C. Barris. | 874 78 |
| Madison Ave. Bridge Repairs. | James Gloyd..... | 228 12 |
| Ohio Canal Dam | A. R. Jewett..... | 230 70 |
| Perry's Monument—removal | E. Smith..... | 325 00 |
| Protection Piling at Weigh Lock..... | Pat. Smith..... | 624 90 |

TABLE NO. 8—Continued.

| NAME OF IMPROVEMENT. | CONTRACTORS. | COST. |
|--|---|-------------|
| Sidewalks | P. Platten | \$ 1,491 44 |
| Sprinkling | J Costelo, I. Thoman, J. O'Neill, Wm. Disberg.. | 1,028 86 |
| Stairway on Viaduct at Merwin St.... | Claffen & Sheldon..... | 949 00 |
| Stairway on Viaduct at Piers 8 and 15..... | Woodhill & O'Gorman | 1,051 43 |
| Stone Pavement Repairs. | A. Campbell..... | 8,987 86 |
| Tracy St. Stairway..... | Wm. Treat | 75 35 |
| Viaduct Flagging | Maxwell, McBride & Malone | 1,199 77 |
| Viaduct Engine and Gearing | W. H. Thompson..... | 1,042 00 |
| Wood Pavement Repairs..... | S. Wood & Sons, L. Brennan, A. Campbell..... | 11,083 99 |
| Total. | | \$80,516 59 |

TABLE NO. 7.
SEWERS BUILT DURING THE SEASON OF 1879.

| Name of Street. | From. | To. | Length. | Size. | Material. | Price. | Contractors. |
|-------------------------|---------------------|--------------------|-----------------------------|------------|-----------|------------|-----------------|
| Alley..... | York..... | Pearl St | 375 | 12 in.Cir. | Pipe. | \$ 302 00 | Daykin Bros. |
| Arlington St..... | Garden St..... | Northerly | 600 | 12 " | " | 306 76 | Clements Bros. |
| *Chestnut Ridge St..... | Lorain St..... | Hague St. | 450 | 12 " | " | 235 00 | Clements Bros. |
| Haymarket..... | Central Place | W. line Hill St... | 259 | 20 " | Brick. | 564 47 | S. Wood & Sons. |
| *Lot Line..... | Willson Ave..... | Baker St..... | 698 | 12 " | Pipe. | | |
| *Lot Line..... | Willson Ave..... | Baker St..... | 320 | 9 " | " | 550 40 | John Mahon, Jr. |
| Monumental Park..... | Ontario St.... | Easterly. | 264 | 12 " | " | 189 32 | L. F. Beers. |
| Olive St..... | Euclid Ave..... | Northerly..... | 500 | 12 " | " | 285 00 | S. Wood & Sons. |
| Orchard St..... | Lorain St..... | Fir St..... | 775 | 9 " | " | 255 00 | Daykin Bros. |
| Prot. Orphan Asylum... | Marquette St..... | Westerly..... | 1832 | 12 " | " | 1,100 00 | S. Wood & Sons. |
| Walton Ave. School.... | Walton Ave.. | Northerly..... | 540 | 9 " | " | 240 00 | " " " |
| Walton Ave..... | Columbus St .. | Rhodes Ave..... | 2100 | 12 " | " | 1,165 00 | " " " |
| *West River St..... | West River St | Franklin Alley... | 140 | 12 " | " | 100 00 | " " " |
| Williams St..... | Cedar Ave .. | Southerly..... | 700 | 12 " | " | 500 00 | Clements Bros. |
| *Scranton Ave..... | Walworth Run..... | Fairfield St. | 1425 | 6 & 4 " | " | 814 25 | S. Wood & Sons. |
| Total..... | | | 10,978 Feet—2.08 Miles..... | | | \$6,107 20 | |

*Surface drainage only.

TABLE NO. 8.
STREETS, AVENUES AND LOTS OF WHICH SURVEYS WERE MADE IN 1879.

| Name. | From. | To. | Length in Feet. |
|---------------------------|------------------------------|------------------------------|-----------------------|
| Armory lot..... | Champlain St..... | Long St..... | ..... |
| Barber Ave..... | Hitchcock St..... | Columbus St..... | 1,304.12 |
| Canal St..... | Champlain St..... | Seneca..... | 1,490.93 |
| Castle Ave..... | Scranton Ave..... | Jennings Ave..... | 1,418.02 |
| Center St..... | Old River St..... | West River St..... | 2,005.51 |
| Champlain St..... | South Water St..... | Ontario St..... | 2,155.83 |
| Elm St..... | Old River St..... | West River St..... | 2,067.19 |
| Euclid Ave..... | Fairmount St..... | East line of lot No. 39..... | 3,688.26 |
| Long St..... | West line of lot No. 74..... | Seneca St..... | 798.06 |
| Main St..... | Pearl St..... | West River St..... | 2,071.57 |
| Michigan St..... | Canal St..... | Ontario St..... | 1,205.56 |
| Mill St..... | Barber Ave..... | C. C. C. & I. R. R..... | 1,109.42 |
| Mulberry..... | Pearl St..... | Main St..... | 841.02 |
| Ohio Canal.... | Merwin St..... | New weigh lock..... | 14,483.00 |
| Ontario St..... | Michigan St..... | Superior St..... | 720.46 |
| Outhwalte School lot..... | Senter Court..... | ..... | ..... |

TABLE NO. 8.—Continued.

| Name. | From. | To. | Length in Feet. |
|------------------------|---|--------------------------------|-----------------------|
| Seneca St..... | Canal St. | Superior St. | 1,139.00 |
| Spruce St..... | Mulberry St.. | Elm St. | 590.98 |
| Superior St | Water St..... | East line Monumental Park..... | 2,008.96 |
| Sycamore..... | Main St..... | West River St..... | 1,021.76 |
| Viaduct... .. | Pearl St .. . | Water street. | 3,293.84 |
| Viaduct lots Nos | 737, 738, 739, 740 and 741 in block G. G .. | ..... | ..... |
| Viaduct lots Nos.. .. | 388, 389, 390, 391, 392, 393 and 394 block P .. | ..... | ..... |
| Walworth Run..... | Burton St | Soranton Ave..... | 4,922.00 |
| Washington St.. .. | Center St..... | West River St..... | 963.33 |
| West River St..... | Center St .. . | Main St... .. | 1,938.06 |
| Winslow St..... | Center St. | West River St... .. | 1,017.07 |
| Woodland Ave..... | Greenwood St..... | Laurel St. | 296.36 |
| Total feet..... | ..... | ..... | 55,608.36 |
| Total miles..... | ..... | ..... | 10.343 |

TABLE NO. 9.

Maps have been made for the use of the Boards appointed to assess the cost of the improvement of the following streets, avenues, and the construction of sewers outside of the sewer districts established by the city. The maps embrace not only the several streets improved, but all adjacent territory benefited.

| Name. | From. | To. | How Improved. |
|-----------------------|---------------------------|--------------------------|---------------|
| Becker Ave. | East Madison Ave..... | St. Clair St..... | Wldened. |
| Bell and Cedar Ave .. | Prathers Pond..... | Doan St.. | Sewered. |
| Bond St..... | Euclid Ave..... | Superior St..... | Opened. |
| Custead Ave | Hough Ave..... | Superior St..... | Opened. |
| Doan St..... | Doan Brook..... | Norman St..... | Sewered. |
| Garden St. | Giddings Ave..... | Lussenden St..... | Sewered. |
| Giddings Ave. | Quincy St..... | North of Euclid Ave..... | Sewered. |
| Grand Ave... .. | Kinsman St | East..... | Opened. |
| Iona St..... | Storer Ave..... | Clark Ave..... | Graded. |
| Orange St..... | West line lot No. 16..... | Forest St | Opened. |
| Payne Ave..... | Superior St | Willson Ave..... | Op'g.& wid'ng |
| Poplar St.. . | Storer Ave..... | Clark Ave | Graded. |

TABLE NO. 9—Continued.

| Name. | From. | To. | How Improved. |
|--------------------|-------------------|------------------|---------------|
| Russell Ave..... | Beecher Ave..... | Superior St..... | Opened. |
| Seneca St..... | Bank St..... | Seneca St..... | Opened. |
| Sheriff St..... | Huron St..... | Prospect St..... | Opened. |
| St Clair St..... | Willson Ave..... | Crawford St..... | Widened. |
| St. Clair St..... | Giddings Brook... | Becker Ave..... | Sewered. |
| Superior St..... | Ansel Ave..... | Doan St..... | Sewered. |
| Wade Park Ave..... | Norwood St..... | Lyman St..... | Opened. |
| Willson Ave..... | St. Clair St..... | Lake Erie..... | Opened. |

TABLE NO. 10.
LIST OF HOUSE NUMBERING MAPS MADE IN 1879.

| Name. | From. | To. | Length in Feet. |
|--------------------------------|--------------------------|----------------------------|--------------------|
| Aaron street..... | St. Clair street..... | Payne avenue..... | 2,220 |
| Bank street and extension..... | Superior street..... | Union Passenger Depot..... | 2,200 |
| Bading street.... | Independence street..... | East End..... | 800 |
| Bond street..... | Lake Erie..... | Euclid avenue..... | 2,580 |
| Burt street | Cedar avenue..... | Quebec street..... | 1,820 |
| Broadway | Eagle street..... | Union street | 17,940 |
| Clark avenue..... | Jennings avenue..... | City limits..... | 14,700 |
| Clifton street..... | St. Clair street... .. | Kelley street..... | 3,050 |
| Empress street..... | Barber avenue... .. | Filmore street | 1,230 |
| First avenue..... | Garden street..... | Woodland avenue. | 2,910 |
| Franklin Court..... | Franklin avenue. | South end..... | 720 |
| Giddings avenue | Superior street..... | Dell avenue..... | 11,850 |
| Glenn street.... | Nuss avenue. | Hadley avenue. | 400 |
| Hadley street..... | Strybos street..... | West end... .. | 1,080 |

TABLE NO. 10—Continued.

| Name. | From. | To. | Length in Feet. |
|------------------------------|--------------------------|------------------------|--------------------|
| Huntington street | Independence street..... | South line 384..... | 1,590 |
| Independence street..... | Broadway..... | City limits..... | 11,310 |
| Kennard street..... | Euclid avenue..... | Woodland avenue..... | 5,570 |
| Kimmel street..... | Bading street..... | Huntington street..... | 1,900 |
| Lorain street..... | Gordon avenue | City limits..... | 6,950 |
| Monumental Park ..... | ..... | ..... | 2,570 |
| May street | Independence street..... | Kimmel street..... | 290 |
| Oak Dale street.... | Euclid avenue..... | Cedar street..... | 1,350 |
| Ontario street..... | Lake Erie..... | Eagle street..... | 4,610 |
| Olive street..... | Curtiss street.... | Euclid avenue..... | 820 |
| Payne avenue..... | Superior street..... | Willson avenue. . . | 10,170 |
| Phelps street..... | St. Clair street..... | Payne avenue..... | 2,140 |
| Seneca street | Lake Erie..... | Ohio Canal..... | 3,490 |
| Seneca street extension..... | Seneca street.. | Bank street..... | 440 |
| Schmidt street..... | Sykora street..... | Nuss avenue | 530 |
| Sixth avenue..... | Willson avenue... .. | Norwood street..... | 1,000 |

TABLE NO. 10—Continued.

| Name. | From. | To. | Length in Feet. |
|-----------------|---------------------|---------------------------|--------------------|
| Smith street. | Lorain street. | Pratt Alley | 520 |
| Superior street | Cuyahoga River | East line Monumental Park | 2,700 |
| Summit street | Seneca street | Erle street | 2,190 |
| Sykora street | Independence street | Huntington street | 1,000 |
| Viaduct | Cuyahoga River | Pearl street | 2,200 |
| Viaduct | Cuyahoga River | Water street | 700 |
| Water street | Superior street | reel | 1,940 |
| Walton avenue | Soranton avenue | street | 2,800 |
| Wasson street. | St. Clair street. | venue | 2,280 |
| White avenue. | Willson avenue. | 1 street | 1,000 |
| Willson avenue | Lake Erie. | et | 17,120 |
| Wood street. | Lake Erie | Superior street | 2,000 |
| Total feet | | | 155,810 |
| Total miles. | | | 29 7-10 |

TABLE No 11.

GAS AND FLUID STREET LAMPS IN LIGHTING JANUARY 1, 1890
THAT ARE CHARGED TO THE CITY OF CLEVELAND.

| GAS LAMPS. | | | FLUID LAMPS. | | |
|-------------------------|-----|------|------------------------|-----|------|
| EAST OF RIVER. | | | EAST OF RIVER. | | |
| WARD. | No. | | WARD. | No. | |
| First | 254 | | First..... | 38 | |
| Second. | 164 | | Second..... | | |
| Third.... | 134 | | Third... .. | | |
| Fourth. | 230 | | Fourth..... | 7 | |
| Fifth..... | 271 | | Fifth .. | 31 | |
| Sixth | 509 | | Sixth.... | 13 | |
| Seventh. | 140 | | Seventh..... | 259 | |
| Fourteenth..... | 120 | | Fourteenth .. | 67 | |
| Fifteenth..... | 104 | | Fifteenth..... | 112 | |
| Sixteenth. | 173 | | Sixteenth... .. | 39 | |
| Seventeenth..... | 187 | | Seventeenth..... | 35 | |
| Eighteenth..... | 154 | | Eighteenth .. | | |
| Total East of River.... | | 2500 | Total East of River... | | 601 |
| WEST OF RIVER. | | | WEST OF RIVER. | | |
| WARD. | No. | | WARD. | No | |
| Eighth.. | 173 | | Eighth | 46 | |
| Ninth | 199 | | Ninth | 14 | |
| Tenth..... | 241 | | Tenth | 47 | |
| Eleventh..... | 132 | | Eleventh..... | 108 | |
| Twelfth..... | 124 | | Twelfth. | 166 | |
| Thirteenth..... | 146 | | Thirteenth.. .. | 152 | |
| Total West of River.... | | 1015 | Total West of River... | | 533 |
| Total in City..... | | 3515 | Total in City..... | | 1134 |

TABLE NO. 12.
LENGTH OF DRAW BRIDGES AND OPENINGS ACROSS THE CUYAHOGA RIVER.

| Bridges. | Total Length. | Width Openings in the Clear when Bridges are Open. |
|--------------------------|---------------|--|
| L. S. & M. S. R. R | 308.8 | 133.0 |
| Willow Street..... | 160.9 | North End..... 61.3 South End..... 62.6 |
| Main Street..... | 200.1 | North End... .. 76.1 South End..... 76 0 |
| Viaduct. | 332.0 | East End..... 131.0 |
| Centre Street... .. | 193.5 | East End..... 72.0 West End..... 73.0 |
| Columbus Street..... | 180.8 | South End.. .. 65.9 West End..... 68.4 |
| C. C. C. & I. R. R.... | 156.5 | East End..... 55.1 West End |
| C. C. C. & I. R. R.. .. | 208.8 | North End..... 81.0 South End..... 79.2 |
| Seneca Street..... | 162.0 | North End... .. 55.2 South End..... 58.8 |
| Lower Central Way | 168.0 | North End..... 63.0 South End..... 63.0 |
| C. C. C. & I. R. R.... | 184.4 | East End..... 75.9 West End |
| Upper Central Way | 145.1 | North End. . . 57.7 South End..... 55.4 |
| A. & G. W. Railway..... | 160.4 | West End..... 63.3 East End..... 62.7 |
| Jefferson Street | 151.4 | East End..... 55.7 West End |
| Valley R. R..... | 170.0 | North End..... 61.0 South End |

TABLE NO. 13.
COMPARATIVE HEIGHT OF WATER IN CUYAHOGA RIVER, MEASURED IN FEET BELOW THE CITY BASE OF LEVELS, FOR EACH MONTH DURING THE SEASON OF NAVIGATION FOR THE YEARS 1878 AND 1879.

| MONTH. | 1878. | | | 1879. | | | Lower During the Season of 1879 than 1878. |
|----------------|----------|---------|----------|----------|---------|----------|--|
| | Highest. | Lowest. | Average. | Highest. | Lowest. | Average. | |
| | | | | | | | |
| March | 2.70 | 4.05 | 3.54 | 3.80 | 4.80 | 4.25 | 0.71 Feet. |
| April | 2.90 | 3.50 | 3.16 | 3.60 | 4.25 | 3.95 | 0.79 " |
| May..... | 2.70 | 3.10 | 2.83 | 3.55 | 4.10 | 3.75 | 0.92 " |
| June..... | 2.40 | 3.15 | 2.88 | 3.50 | 3.80 | 3.66 | 0.78 " |
| July..... | 2.70 | 3.20 | 2.89 | 3.50 | 3.80 | 3.65 | 0.76 " |
| August..... | 2.65 | 3.65 | 3.13 | 3.45 | 4.20 | 3.85 | 0.72 " |
| September..... | 2.90 | 3.50 | 3.25 | 3.75 | 4.50 | 4.18 | 0.93 " |
| October..... | 3.25 | 4.00 | 3.61 | 4.00 | 5.00 | 4.40 | 0.79 " |
| November.... | 3.05 | 4.20 | 3.79 | 4.00 | 5.35 | 4.80 | 1.01 " |
| December.. | 3.15 | 4.60 | 3.73 | 4.15 | 5.15 | 4.67 | 0.94 " |

TABLE NO. 14.

COST OF WORK DONE UNDER DIRECTION OF ENGINEER'S DEPARTMENT DURING THE YEAR 1879.

| | |
|-------------------------|-------------|
| Streets Improved..... | \$ 5,590 85 |
| Sewers Constructed..... | 6,107 20 |
| Miscellaneous Work ... | 80,516 50 |
| Total..... | \$92,214 64 |

ANNUAL REPORT

OF THE

Board of Improvements,

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DEC. 31, 1879.

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ANNUAL REPORT
OF THE
BOARD OF IMPROVEMENTS.
FOR THE
YEAR ENDING DECEMBER 31, 1879.

To the Honorable City Council:

GENTLEMEN:—The Board of Improvements herewith respectfully submits its Annual Report for the year ending December 31, 1879.

This includes an account of all work of a general public character aside from that specially accounted for in the reports of the City Civil Engineer and Street Commissioner.

No large improvements have been in process during the year. The completion of the Viaduct in 1878 ended all such work.

The entire cost of work ordered by the Board during 1879, unaccounted for in the reports of the officers above named, was \$56,248 58.

The increase over the expenditures of last year is \$9,640 12. This difference is substantially made up by the cost of running and maintaining the Viaduct, which amounted to \$7,591 77.

The character and cost of all improvements made during the year are fully set forth in the Engineer's Report, from which it will be seen that the entire cost was but \$92,214 64.

The following table shows the cost of improvements made under the supervision and direction of the City Civil Engineer since April 1st, 1869.

| | |
|---|----------------|
| From April 1, 1869 to January 1, 1874 - . . . | \$2,577,775 82 |
| “ January 1, 1874 to January 1, 1875 - . . | 1,466,606 94 |
| “ “ 1, 1875 “ “ 1, 1876 - . . | 1,191,847 24 |
| “ “ 1, 1876 “ “ 1, 1877 - . . | 920,111 09 |
| “ “ 1, 1877 “ “ 1, 1878 - . . | 626,359 28 |
| “ “ 1, 1878 “ “ 1, 1879 - . . | 489,379 77 |
| “ “ 1, 1879 “ “ 1, 1880 - . . | 92,214 64 |
| | <hr/> |
| | \$7,364,294 78 |

The hard times through which we have recently passed made it desirable, if not absolutely necessary, that the city should refrain for the time being from entering upon any new and extensive improvements, and that all her energies should be bent to the completion of those already contracted for, in order that her people might be relieved as speedily and as much as possible from the burden of taxation.

Fortunately, the condition of municipal affairs was such as to permit the cessation of new improvements without detriment to the city. But the time is already at hand when necessity will compel a movement in this direction. Many of the paved streets of the city are in a very dilapidated condition, and will require to be repaved in the near future. The Board on the 16th day of February sent to your honorable body a list of 10 streets, with the recommendation that steps be taken at once to levy and collect a tax to pay the cost and expense of repavement. The recommendation is made at this time in order that the collection of the taxes may be distributed over from one to three years, and still have the money on hand in time to make the improvement when it shall be absolutely needed.

This course is made necessary by the “Burn’s Law,” which prevents the doing of any work or entering into any contract

for its performance until there is sufficient money to the credit of the proper fund to meet the expense.

A consultation of the table in the very valuable report of the Street Commissioner will show the sums expended on each of the different streets of the city during the past year, under his immediate supervision. The condition of the paved streets, it will be seen, is becoming very bad, particularly those paved with wood or concrete. The expenditure necessary to keep them in repair will increase yearly until many of them are repaved. The Board is decidedly of the opinion that the kind of material hereafter to be used for pavement should be stone, except, perhaps, occasionally on a street infrequently used for heavy teaming, where some lighter and smoother material might be employed.

The expenditures authorized by the Board, not included in the reports of the Engineer and Street Commissioner, are given below.

BRIDGES.

VIADUCT—

| | |
|-------------------------------|------------------|
| Bridge Tenders' pay roll..... | \$ 4,404 53 |
| “ Repairs “ | 1,266 58 |
| Supplies for repairs..... | 1,206 62 |
| Ordinary supplies... .. | 714 04 |
| Construction account..... | 4,445 58 |
| | —————\$12,037 35 |

CENTER ST.—

| | |
|-------------------------------|------------------|
| Bridge Tender's pay roll..... | \$ 2,238 76 |
| “ Repairs “ | 151 88 |
| Supplies for repairs.... | 60 51 |
| Ordinary repairs..... | 54 71 |
| | —————\$ 2,505 36 |

COLUMBUS ST.—

| | |
|--------------------------------|------------------|
| Bridge Tender's pay roll | \$ 2,226 75 |
| “ Repairs “ | 318 63 |
| Supplies for repairs | 787 48 |
| Ordinary supplies..... | 56 10 |
| | —————\$ 3,388 96 |

JEFFERSON ST.—

| | |
|--------------------------------|------------------|
| Bridge Tender's pay roll. | \$ 684 25 |
| " Repairs " | 443 00 |
| Supplies for repairs..... | 484 50 |
| Ordinary supplies. | 10 78 |
| | —————\$ 1,622 53 |

LOWER CENTRAL WAY—

| | |
|--------------------------------|------------------|
| Bridge Tender's pay roll | \$ 2,096 00 |
| " Repairs " | 70 88 |
| Supplies for repairs..... | 56 43 |
| Ordinary supplies..... | 37 78 |
| | —————\$ 2,260 57 |

SENECA ST.—

| | |
|-------------------------------|------------------|
| Bridge Tender's pay roll | \$ 2,055 00 |
| " Repairs " | 417 88 |
| Supplies for repairs..... | 841 20 |
| Ordinary supplies | 56 93 |
| | —————\$ 3,371 01 |

MAIN ST.—

| | |
|--------------------------------|------------------|
| Bridge Tender's pay roll | \$ 2,277 50 |
| " Repairs " | 254 36 |
| Supplies for repairs.... | 380 20 |
| Ordinary supplies..... | 40 71 |
| | —————\$ 2,952 77 |

SWISS ST.—

| | |
|--------------------------------|----------------|
| Bridge Tender's pay roll | \$ 365 00 |
| " Repairs " | 134 00 |
| Supplies for repairs..... | 44 85 |
| Ordinary supplies..... | 10 47 |
| | —————\$ 553 20 |

UPPER CENTRAL WAY—

| | |
|-------------------------------|------------------|
| Bridge Tender's pay roll..... | \$ 1,210 00 |
| " Repairs " | 137 06 |
| Supplies for repairs..... | 66 30 |
| Ordinary supplies..... | 37 43 |
| | —————\$ 1,451 38 |

WILLOW ST.—

| | |
|-------------------------------|------------------|
| Bridge Tender's pay roll..... | \$ 2,286 25 |
| " Repairs " | 115 68 |
| Supplies for repairs..... | 131 58 |
| Ordinary supplies..... | 63 21 |
| | —————\$ 2,596 72 |

WALWORTH RUN--

| | |
|--------------------------------|------------------|
| Bridge Tender's pay roll. | \$ 599 56 |
| " Repairs " | 170 01 |
| Supplies for repairs | 582 70 |
| Ordinary supplies..... | 21 04 |
| | —————\$ 1 373 31 |

REPORT OF THE BOARD OF IMPROVEMENTS. 185

COMMERCIAL ST.—

| | | |
|------------------------------|----------|----------|
| Bridge Repairs pay roll..... | \$ 17 76 | |
| Supplies for repairs..... | 7 68 | |
| | ----- | \$ 25 44 |

EAST MADISON AVE.—

| | | |
|-------------------------------|----------|-----------|
| Bridge Repairs pay roll | \$ 79 90 | |
| Supplies for repairs..... | 380 77 | |
| | ----- | \$ 460 76 |

FACTORY ST.—

| | | |
|------------------------------|---------|----------|
| Bridge Repairs pay roll..... | \$ 9 00 | |
| Supplies for repairs..... | 5 76 | |
| | ----- | \$ 14 76 |

SOUTH WATER ST.—

| | | |
|-------------------------------|----------|-----------|
| Bridge Tender's pay roll..... | \$ 33 75 | |
| " Repairs " | 61 76 | |
| Supplies for repairs ... | 89 90 | |
| | ----- | \$ 185 41 |

WINSLOW ST.—

| | | |
|-------------------------------------|-----------|-----------|
| Bridge repairs pay roll | \$ 134 25 | |
| Supplies for repairs | 94 23 | |
| | ----- | \$ 228 48 |
| Lumber for bridge (not stated)..... | \$ 58 75 | |
| | ----- | \$ 58 75 |

Grand Total. \$35,088 76

SUPERINTENDENTS OF IMPROVEMENTS.

| | |
|---------------------------------------|-------------|
| Construction of Viaduct.... | \$ 569 62 |
| " " Armory.... | 280 00 |
| " " Eighteenth Ward Market House..... | 100 00 |
| Dredging | 454 00 |
| Sewers. | 90 00 |
| Repairs on paved streets..... | 684 33 |
| Total | \$ 2,157 95 |

OTHER EMPLOYES.

| | |
|---|-------------|
| Mayor's Clerk and Clerk of Board | \$ 2,000 00 |
| Man employed to serve sidewalk and other notices..... | 546 00 |
| Assistant Clerk of Board ... | 600 00 |
| Copyists..... | 658 39 |
| Elevator Operator..... | 600 00 |
| Engineers of heating apparatus..... | 1,478 27 |
| Total | \$ 5,882 66 |

CITY HALL.

| | |
|---|--------------------|
| Repairs on heating apparatus and elevator..... | \$ 380 58 |
| Repairs on offices, including painting same..... | 185 38 |
| Repairs on store rooms..... | 54 71 |
| Repairs on building, including painting same..... | 583 75 |
| Supplies..... | 43 75 |
| Two hose reels in hall..... | 30 00 |
| Kindlings..... | 22 00 |
| Burners, &c..... | 11 19 |
| Total | <u>\$ 1,261 36</u> |

MAYOR'S AND BOARD OF IMPROVEMENTS OFFICE.

| | |
|-----------------|------------------|
| Supplies..... | \$ 68 47 |
| Stationery..... | 80 43 |
| Total | <u>\$ 148 90</u> |

POUNDS.

FIFTH WARD—

| | |
|-------------------------|------------------|
| Pound Keeper's pay..... | \$ 692 50 |
| | <u>\$ 692 50</u> |

SIXTH WARD—

| | |
|-------------------------|------------------|
| Pound Keeper's pay..... | \$ 700 00 |
| Rent of pound..... | 50 00 |
| | <u>\$ 750 00</u> |

THIRTEENTH WARD—

| | |
|--------------------------|------------------|
| Pound Keeper's pay | \$ 706 25 |
| Rent of pound..... | 50 00 |
| | <u>\$ 756 25</u> |

FOURTEENTH WARD—

| | |
|-------------------------|------------------|
| Pound Keeper's pay..... | \$ 700 00 |
| Rent of pound..... | 15 00 |
| | <u>\$ 715 00</u> |

SEVENTEENTH WARD—

| | |
|--------------------------|------------------|
| Pound Keepers' pay | \$ 706 25 |
| Rent of pound..... | 12 00 |
| | <u>\$ 698 00</u> |

EIGHTEENTH WARD—

| | |
|-------------------------|------------------|
| Pound Keeper's pay..... | \$ 698 75 |
| Rent of pound | 12 00 |
| | <u>\$ 718 25</u> |

SWISS STREET—

| | |
|-------------------------|------------------|
| Pound Keeper's pay..... | \$ 706 25 |
| Rent of pound..... | 50 00 |
| Repairs on pound | 61 18 |
| | <u>\$ 817 43</u> |

Grand total..... \$ 5,160 18

SPRINKLING.

| | |
|---|-----------------|
| Mounumental Park, Ontario and Superior streets..... | \$ 339 52 |
| Market grounds..... | 225 31 |
| Around City Hall..... | 8 77 |
| | <hr/> \$ 573 60 |

CATCH BASINS AND SEWERS.

| | |
|---|-------------|
| Broadway alley, Dille street, repairing sewers..... | \$ 36 52 |
| Harper street, corner Scoville avenue, building catch basins and laying pipe..... | 45 00 |
| Huntington street, repairing sewer..... | 15 00 |
| Muirson, corner St. Clair street, repairing catch basin pipe..... | 5 69 |
| Ontario street, No. 52, repairing sewer connection | 21 68 |
| P. ospect street, near Willson avenue, repairing sewer..... | 119 22 |
| Rhodes avenue, laying sewer..... | 153 20 |
| Superior street at Monumental Park, catch basin..... | 6 06 |
| St Clair street at Main street, repairing sewer... .. | 292 90 |
| Superior street, between Ontario street and east side of Square, repairing sewer..... | 183 26 |
| Viaduct, between track over Center street, catch basin..... | 21 19 |
| Viaduct, near Myers foundry, drip holes..... | 45 11 |
| Water street, corner Superior street | 7 00 |
| Water northeast corner Superior street, catch basin... .. | 2 12 |
| West River street to Franklin alley sewer, catch basin for same..... | 30 00 |
| West River street to Franklin alley, sewer..... | 70 |
| West River street, main sewer outlet repair..... | 16 00 |
| Willson avenue, sewer east of | 70 40 |
| Chestnut Ridge Road, building sewer..... | 235 00 |
| Use of land for sewer purposes | 100 00 |
| Cleaning catch basins..... | 235 08 |
| | <hr/> |
| Total | \$ 1,641 13 |

STREET REPAIRS.

| | |
|---|-----------|
| Peari and Columbus street washout, repairing building and break . . | \$ 239 31 |
| Walworth Run, washout, repairing building and break..... | 181 50 |
| Division street washout, lumber.. .. | 30 18 |
| Elm street, stone..... | 248 70 |
| | <hr/> |
| Total..... | \$ 699 69 |

CULVERTS.

| | |
|-------------------------------------|-----------|
| Rhodes avenue, building | \$ 140 00 |
| Madison avenue, repairing..... | 64 15 |
| Independence street, building... .. | 201 00 |
| | <hr/> |
| Total..... | \$ 405 15 |

CANAL ACCOUNT.

| | |
|---|-----------|
| Examining records, etc., and procuring deed | \$ 561 65 |
| Making survey | 11 50 |
| Stone monuments..... | 45 00 |
| Building dam across canal | 230 70 |
| Total..... | \$ 848 85 |

CUYAHOGA RIVER.

| | |
|---------------------|----------|
| Sounding river..... | \$ 22 20 |
| Total.... | \$ 22 20 |

MARKET ACCOUNT.

| | |
|--|-----------|
| Repairing, etc., of hay scales | \$ 74 27 |
| Plans for Eighteenth ward market house | 75 00 |
| Building weigh house..... | 247 91 |
| Sewer and puddling at haymarket..... | 48 71 |
| Supplies, coal, etc..... | 25 88 |
| Total | \$ 471 77 |

MISCELLANEOUS.

| | |
|--|-------------|
| Building dock on Spruce street..... | \$ 355 00 |
| Drawings, etc., for armory..... | 300 00 |
| Street signs..... | 5 45 |
| Tracy street hill, lumber for stairs. | 75 35 |
| Planking dock at Superior street | 27 43 |
| Perry Monument, moving, etc... .. | 200 00 |
| Vermont street station house, shingling..... | 35 00 |
| Towing logs and snags to lake... .. | 24 00 |
| Carriage hire to canal lock..... | 4 00 |
| Crosswalk at intersection of Pearl and Detroit streets... .. | 188 69 |
| Framing maps of city..... | 6 50 |
| Monuments... .. | 15 30 |
| Recording plats... .. | 6 10 |
| Overcharge on walks | 7 70 |
| Badges for bridge and pound police..... | 69 00 |
| Printing and advertising | 616 86 |
| Total | \$ 1,936 38 |

SUMMARY.

| | |
|---|-------------|
| Bridges—total cost..... | \$35,038 76 |
| Cost of superintendence of work..... | 2,157 95 |
| Cost of other employes | 5,882 66 |
| City Hall expenditures..... | 1,261 36 |
| Mayor's Office and Board of Improvements Office. | 148 90 |
| Cattle pounds..... | 5,160 18 |

REPORT OF THE BOARD OF IMPROVEMENTS. 189

| | |
|------------------------------|----------|
| Cost of Sprinkling..... | 573 60 |
| Catch basins and sewers..... | 1,641 13 |
| Street repairs..... | 699 69 |
| Culverts .. | 405 15 |
| Canal account..... | 848 85 |
| Cuyahoga river account... | 22 20 |
| Market account.... | 471 77 |
| Miscellaneous | 1,936 38 |

Grand Total.....\$56,248 58

Respectfully submitted,

By order of the Board of Improvements.

W. E. SHERWOOD,

April 2, 1880

Clerk.

ANNUAL REPORT

OF THE

Street Commissioner

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DEC. 31, 1879.

STREET COMMISSIONER'S REPORT.

To the Honorable City Council:

GENTLEMEN: —The undersigned herewith respectfully submits for your consideration the Annual Report of the Street Department for the year ending December 31st, 1879.

The tabular statements accompanying this report will show the different classes of work and amount done on each street, in a complete and comprehensive form, and will be valuable, not only as showing expenditures, but also as giving data upon which comparisons of the economic value of the different pavements and modes of cleaning and repairing streets may be based. The tables contain detailed statements of all work done on paved and unpaved streets, catch basins, sewers, culverts, bridges and crosswalks under charge of this department, the lumber used, miscellaneous bills and salaries of officers. There is also a detailed statement of repairs to pavements done by contract, which, although not done under the supervision of this department, have been included in the table on paved streets, for the purpose of comparison as to the economic value of the different kinds of pavement. For the same reason I have included in this report a table showing date when put down, length, kind and repairs to the pavement on each paved street in the city.

These tables show that there has been expended in repairs to pavement over \$35,000 (not including cost of superintendence) during 1878-9, distributed as follows:

| | | | | |
|----------------|---|---|---|-------------|
| Stone pavement | - | - | - | \$ 8,647 91 |
| Wood | " | - | - | 19,326 87 |
| Concrete | " | - | - | 7,104 06 |

Thus it will be seen that while all the concrete pavement has been laid within the past seven years, and there are only about three and one-half miles of it, it has cost for repairs \$7,104 06. On some streets concrete has been laid over wood pavement nearly worn out, and this and nearly all concrete pavement in the city is now in poor condition.

The wood block pavements make a little better showing, both as to length of time used and amount expended for repairs per mile, but on many streets are now almost completely worn out.

The Medina stone pavements make the best showing. They have cost less for repairs, have been laid on the average a greater length of time than any other pavement and are nearly all in good condition. I would respectfully ask for these tables a careful perusal.

The ordinary expenses of this department for 1879 were about the same as for 1878, notwithstanding the fact that nearly all the expense of repairing the break in Columbus and Pearl streets at Walworth Run bridge, and the damages caused thereby, amounting to about \$1,800, which happened in September, 1878, has been paid during the present year. There was also an expenditure of about \$500, in removing and fitting up new offices and yard at City Hall, necessitated by the erection of the armory building on the lot formerly occupied by the Street Department on Champlain and Long streets. In addition to this there was also considerable extra cleaning on account of the extensive repairs to pavement, and the cleaning of the debris left on Elm and Center streets by the Viaduct contractors, amounting to nearly \$900.

On paved streets the cleaning has been done by contract. The present contract with L. Brennan is at the rate of \$16 50 per mile of street for each time cleaned and ten cents for each crossing cleaned at any other time than when the street is cleaned.

On unpaved streets the price for cleaning, rounding up and surfacing is \$15 per mile; 18 cents for earth filling; 35 cents for gravel; 30 cents for soft cinder, and 40 cents for hard cinder per cubic yard.

In my opinion the contract system works well on paved streets, and should be continued. The only drawback is that competition has reduced the price below living rates, and it is at times somewhat difficult to get the work done promptly when ordered. It is also necessary to keep an inspector with the contractor continually, in order to secure thoroughness. However, this will probably remedy itself in time, as the cost of cleaning and kind of work required is becoming well understood among contractors. The cleaning, rounding up and surfacing of unpaved streets is something that, in my opinion, cannot be done successfully under the present contract system. On unpaved streets there is always a conflict of opinion as to what a contractor is obliged to do. No two streets are alike in the amount or character of work to be done, and no rule can be made which will apply to all parts of even one unpaved street. No definite line can be given except the grade line of the street. In many cases the surface of the roadway has been beaten by travel below the grade line the entire length of the street. In other cases the grade line of the gutters has been in the same manner entirely obliterated. If the grade was re-established, new lines drawn and stakes driven, it would cost more than the work to be done. Ten or twelve good laborers, under the direction of a competent foreman, would, in my opinion, perform this work much more satisfactorily than it is now done. Some discrimination as to the character and

amount of work on each street might then be used. The present system of contracting for gravel, earth filling, hard and soft cinders is a good one and should be continued.

The policy of replacing worn out wooden box gutters by gutters paved with stone has been adopted, and during the past season stone gutters have been put in on a portion of Monroe street, Spruce street hill, Fairfield street hill and Doan street hill. The McAdam or broken stone pavement on Cedar avenue between Fairmount street and Lincoln avenue has been repaired, and this work will be continued and completed to Willson avenue during the coming summer.

There are in this city 424.7 miles of accepted streets and alleys. Of these 53.59 miles are paved. This is a very small proportion, and I think it would be an advantage to property owners and the public generally to have more of our streets paved, especially some portions of our business streets.

The auditor's report shows that the total disbursements from the Street Fund for all purposes during 1879 was \$75,037 26. Of this \$22,754 11 was expended on account of repairs to pavements. Previous to 1878 the Street Fund was not charged with this expense. If such charge shall continue in the future, it will be necessary to increase materially the tax levy for street purposes, as the amount of repairs will increase yearly until most, if not all, the present wood and concrete paved streets are repaved. I think it would be better to create a special fund to meet this expense, if it is thought best that the whole city should pay for such work. The ordinary expenses of the department for 1879, as given by the Auditor, were \$52,283 15. This is for the fiscal year and includes payments for damages assessed in several cases, costs of court, land appropriated for sewers, bills contracted in 1878, removing Perry's Monument, and sprinkling the Viaduct, amounting in all to \$6,843 56, but does not include the cost of work done in December, 1879, and ten per cent. of the cost of cleaning streets by the contractor, retained under the terms of the con-

tract, amounting to \$5,059 09. Deducting the difference between the two sums last above named and the amount paid into the fund on account of repairs and work done for other departments, \$2,275 17, and we have as the ordinary expenses for the calendar year 1879, \$48,223 51. When it is considered that for this amount 425 miles of street, 1,800 catch basins and 80 miles of sewers have been kept clean and in ordinary repair, I think no one can say that the Street Department has been extravagant during 1879. The policy during the past year has been to do only such work in cleaning and repairing streets, catch basins and sewers as were absolutely necessary to preserve the public health and general security. The same repressive policy will have to be continued during 1880, in order to keep expenditures within the limits of the present tax levy.

In conclusion permit me to say that much of the efficiency of this department has been due to the efforts of Assistant Commissioner W. J. Quayle, Superintendent of Repairs D. A. Udall, Clerk P. Hoffman, Superintendent of Streets D. A. Kimball, Superintendent of Catch Basins Moses Simmons and Inspectors J. E. Jones, William Lambenis and C. S. Ruggles.

The following statement will show the expenditures for each class of work under charge of this department and also the number of the tabular statement where a detailed account may be found. This includes work enumerated in all estimates from No. 7 of the old contract to No. 6 of the new contract inclusive, also all estimates for cleaning catch basins from No. 7 of the old contract to No. 3 of the new contract inclusive.

Respectfully submitted,

FRANK RIELEY,

Street Commissioner.

Tabular Statements.

TABLE NO. 1.

STATEMENT OF EXPENDITURES FOR WORK UNDER CHARGE OF
STREET COMMISSIONER DURING 1879.No. of Table
showing de-
tailed acc't.

PAVED STREETS.

| | | | |
|--------------|------------------------------|-------------|------------------|
| TABLE NO. 2. | Cleaning under contract..... | \$ 8,822 80 | |
| | Pay Roll, labor..... | 3,575 27 | |
| | | | —————\$12,398 07 |

UNPAVED STREETS.

Cleaning, surfacing and repalring

| | | | |
|--------------|----------------------|-------------|----------------|
| TABLE NO. 3. | under contract | \$11,321 54 | |
| | Pay Roll, labor.... | 4,895 48 | |
| | | | —————16,217 02 |

CATCH BASINS.

| | | | |
|--------------|----------------------------------|-------------|---------------|
| TABLE NO. 4. | Cleaning under contract. | \$ 1,881 74 | |
| | Repairs ... | 607 34 | |
| | | | —————2,489 08 |

SEWERS.

| | | | |
|--------------|----------------------------|-------------|---------------|
| TABLE NO. 5. | Cleaning and flushing..... | \$ 1,647 62 | |
| | Repairs..... | 440 55 | |
| | | | —————2,088 17 |

CULVERTS.

| | | | |
|--------------|--------------|----------|------------|
| TABLE NO. 6. | Repairs..... | \$ 60 70 | |
| | | | —————60 70 |

BRIDGES.

| | | | |
|--------------|--------------|-----------|-------------|
| TABLE NO. 7. | Repairs..... | \$ 587 36 | |
| | | | —————587 36 |

CROSSWALKS.

| | | | |
|--------------|-------------------------------------|-------------|---------------|
| TABLE NO. 8. | Cost of new and repairs of old..... | \$ 1,024 11 | |
| | Cleaning..... | 310 97 | |
| | | | —————1,335 08 |

LUMBER.

| | | | |
|---------------|------------------------------------|-------------|-------------|
| | Repairs of sheathing on bridges... | \$ 441 73 | |
| TABLE NO. 9. | Paving blocks..... | 169 02 | |
| | Box gutters, drains, crosswalks, | | |
| | bridges, &c..... | 1,781 94 | |
| | | | 2,392 69 |
| TABLE NO. 10 | Miscellaneous bills..... | \$ 2,695 21 | |
| | | | 2,695 21 |
| TABLE NO. 11. | Salaries of officers.... | \$ 7,730 64 | |
| | | | 7,730 64 |
| | | | \$47,994 02 |

| | | | |
|--|---|-------------|-------------|
| Of this account there was paid back to the city by | | | |
| | parties on permit work..... | \$ 2,067 34 | |
| By transfer from General Fund on account of | | | |
| | repairs to cow pounds... | 110 75 | |
| | By transfer from Milford Street Special Fund..... | 53 48 | |
| | Warrants not used..... | 19 00 | |
| | Paid out of Bridge Fund | 422 83 | |
| | | | \$ 2,673 40 |
| | Leaving net expenses paid from Street Fund..... | | 45,320 62 |
| | | | \$47,994 02 |

TABLE No. 2.

SHOWING THE KIND OF PAVEMENT, LENGTH BETWEEN POINTS NAMED, NUMBER OF TIMES CLEANED, COST OF CLEANING, COST AND KIND OF

REPAIRS TO EACH AND ALL PAVED STREETS IN THE CITY DURING THE YEAR.

| St. Clair... | River and Wood... | Stone. | 2,740 | 134,011 | 4 | 549 52 | 39 25 | 10 88 | 5 75 | 61 65 | 1,682 24 | 1,682 24 | 2,369 82 |
|---------------|---------------------------------|-----------|----------|----------|--------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| St. Clair... | Wood and Willson... | Wood. | 13,792 | 8,369 | 5 | 13 12 | 23 06 | 3 75 | 5 62 | 5 62 | 1,682 24 | 1,682 24 | 18 74 |
| Ston's lev. | Central Way and Ohio... | Stone... | 1,033 | 2,046 | 3 | 13 12 | 23 06 | 3 75 | 5 62 | 5 62 | 1,682 24 | 1,682 24 | 18 74 |
| Superior... | Cuy. River and Mon. Park... | Stone. | 2,046 | 1,328 | 8 | 13 12 | 23 06 | 3 75 | 5 62 | 5 62 | 1,682 24 | 1,682 24 | 18 74 |
| Superior... | Monumental Park and Erie... | Concrete. | 1,328 | 3,209 | 13 | 13 12 | 23 06 | 3 75 | 5 62 | 5 62 | 1,682 24 | 1,682 24 | 18 74 |
| Superior... | Erie and Perry... | Wood. | 3,209 | 69,431 | 4 | 276 83 | 39 01 | 10 88 | 16 88 | 47 93 | 985 82 | 985 82 | 254 09 |
| Spring... | Superior and St. Clair... | Stone... | 683 | 2,732 | 3 | 10 10 | 39 01 | 10 88 | 16 88 | 47 93 | 985 82 | 985 82 | 254 09 |
| Water... | Superior and St. Clair... | Wood. | 619 | 2,732 | 13 | 104 83 | 39 01 | 10 88 | 16 88 | 47 93 | 985 82 | 985 82 | 254 09 |
| Water... | St. Clair and Front... | Stone... | 1,192 | 26,280 | 13 | 104 83 | 39 01 | 10 88 | 16 88 | 47 93 | 985 82 | 985 82 | 254 09 |
| West... | Merwin and Center... | " | 550 | 2,796 | 5 | 11 09 | 39 01 | 10 88 | 16 88 | 47 93 | 985 82 | 985 82 | 254 09 |
| West River... | Columbus and old river bed... | " | 5,851 | 24,480 | 3 | 87 73 | 262 88 | 3 75 | 7 14 | 552 12 | 552 12 | 552 12 | 14 85 |
| Wood... | Superior and St. Clair... | Wood. | 615 | 2,885 | 4 | 11 60 | 262 88 | 3 75 | 7 14 | 552 12 | 552 12 | 552 12 | 14 85 |
| Woodland... | Cross and Willson... | Wood. | 8,415 | 2,885 | 13 | 11 60 | 262 88 | 3 75 | 7 14 | 552 12 | 552 12 | 552 12 | 14 85 |
| Woodland... | Willson and East Madison... | Stone. | 4,913 | 119,901 | 2 | 485 85 | 97 75 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 2,075 97 |
| Woodland... | E. Madison and Wood. Hills... | Wood. | 4,830 | 41,056 | 1 | 149 19 | 126 23 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 459 10 |
| Viaduct... | Water and Pearl... | W & stone | 3,211 | 41,056 | 12 | 85 | 126 23 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 459 10 |
| Case Place... | Superior and Rockwell... | Stone. | 200 | 200 | 1 | 20 90 | 126 23 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 459 10 |
| Carter... | Scranton and C. C. & I. R. R... | " | 1,030 | 5,770 | 5 | 3 29 | 126 23 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 459 10 |
| F. Circle... | South Side... | " | 263 | 917 | 3 | 2 24 | 126 23 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 459 10 |
| Orange... | Intersection of Broadway... | Wood... | 130 | 565 | 4 | 32 78 | 126 23 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 459 10 |
| Alleys... | ... | Stone... | 8,416 | 8,416 | ... | 32 78 | 126 23 | 188 68 | 16 62 | 117 50 | 1,352 90 | 1,352 90 | 459 10 |
| Total | | | 7,466 69 | 1,356 11 | 699 50 | 2,552 08 | 7,765 84 | 5,515 08 | 4,354 72 | 2,897 04 | 20,532 06 | 20,532 06 | 32,980 10 |

| | | | | | | | | | | | | |
|----------------|-------|----------|----------|---------|------|---------|----------|---------|---------|---------|--------|---------|
| Slater | 906 | 271 80 | 25 | 10 00 | 36 | 14 00 | 18 | 3 42 | 21 50 | 20 90 | 3 44 | |
| Summer | | | | | | | | | | 2 88 | | |
| Taylor | | | | | | | | | | 5 75 | | |
| Turkey Av | | | | | | | | | | | | |
| Theresa | 383 | 114 90 | | | | | | | | | | |
| Tod | 15 | 4 50 | | | | | | | | | | |
| Toga | | | | | | | | | | 10 82 | | |
| Train | | | | | | | | | | 36 45 | | 8 75 |
| Tracey | | | | | | | | | | 11 00 | | |
| Trumbull | | | | | | | | | | 1 00 | | |
| Tremont | | | | | | | | | 55 50 | 1 97 | | |
| Union | | | | | | | | | | 12 50 | | 2 10 |
| University | | | | | | | | | 2 00 | 2 50 | | |
| Vega | 35 | 10 50 | | | | | | | 26 60 | 35 25 | | |
| Vermont | | | | | | | | | | 69 43 | | |
| Vestry | | | | | | | | | | 3 75 | | |
| Vinegar Hill | | | | | | | | | | 11 00 | | |
| Warren | 30 | 9 00 | | | | | | | | | | |
| Whitehead | 206 | 61 90 | | | | | | | | 12 75 | | |
| Worley | 42 | 12 00 | | | | | | | | 8 50 | | |
| Woodland Hills | 173 | 58 80 | | | | | | | | | | |
| Warnor Road | | | | | | | | | 10 50 | 3 92 | | |
| Wood | | | | | | | | | | | | |
| Webster | | | | | | | | | | | | |
| Walnut | | | | | | | | | | 2 75 | | 98 |
| Willson Av | 171 | 51 30 | 300 | 156 00 | 45 | 13 50 | | | | 34 00 | | |
| Waverly | 123 | 36 90 | 131 | 58 40 | 40 | 12 00 | | | | 14 11 | | 14 32 |
| Winslow | 371 | 11 25 | | | 602 | 211 55 | 35 | 6 30 | 10 26 | 6 25 | | |
| Willey | 224 | 76 40 | | | | | | | 8 38 | 1 25 | | |
| Willow | 104 | 3 15 | | | | | | | 7 75 | 16 12 | | |
| Walton Av | | | | | | | | | 5 00 | | | |
| Woodbine | | | | | | | | | | | | |
| Wade | | | | | | | | | 5 25 | | | 2 40 |
| Warner Road | | | | | | | | | 37 13 | 7 72 | | 7 50 |
| White Av | | | | | | | | | | 7 00 | | |
| Ward | | | | | | | | | | 4 25 | | 5 62 |
| Wales | | | | | | | | | | 5 44 | | |
| Wasson | | | | | | | | | | 7 00 | | |
| Washington | | | | | | | | | | 26 50 | | |
| Willet | | | | | | | | | | 42 67 | | |
| York | | | | | | | | | | 5 82 | | |
| | | | | | | | | | | 4 38 | | |
| Total | 9,002 | 2,771 50 | 3038 1/2 | 1215 40 | 4425 | 1362 95 | 7262 1/2 | 1333 09 | 1574 11 | 2757 43 | 734 62 | 1253 38 |

TABLE NO. 4.

STATEMENT SHOWING COST OF CLEANING AND REPAIRS TO CATCH
BASINS DURING THE YEAR.

| | |
|--|---------|
| Broadway at Independence street... | \$ 7 75 |
| Broadway at Cataract House... | 7 25 |
| Broadway at No. 415..... | 2 00 |
| Bank street at Water..... | 4 10 |
| Chestnut street..... | 4 15 |
| Chapel street at Scovill avenue..... | 4 25 |
| Canal street..... | 11 96 |
| Canal street at Eagle..... | 6 10 |
| Central Way at Jefferson..... | 6 35 |
| Center street at Fall..... | 4 80 |
| Center street at Merwin..... | 1 60 |
| Cheshire street..... | 3 00 |
| Columbus street at Wade avenue..... | 2 55 |
| Detroit street at Pearl..... | 3 60 |
| Dunham avenue at Whitney..... | 18 42 |
| Elm street at Second..... | 10 25 |
| Euclid avenue at Erie..... | 9 00 |
| Euclid avenue at Russell avenue..... | 18 62 |
| Front street..... | 2 00 |
| Franklin avenue at No. 262..... | 6 80 |
| Franklin Court..... | 36 80 |
| Fairmount street..... | 6 60 |
| Fourth street at Commercial..... | 3 55 |
| Forest street at Cedar avenue..... | 8 35 |
| Hickox street..... | 88 |
| Hayward street at Garden..... | 13 02 |
| Hanover street opposite Clinton..... | 6 25 |
| Hanover street at Church..... | 13 65 |
| Hickory street at Old River..... | 2 75 |
| Kentucky street at Clinton..... | 19 17 |
| Long street at Seneca..... | 6 75 |
| Laurel street at Garden street..... | 12 25 |
| Lake street at Clinton Park..... | 7 30 |
| Lorain street at Pearl..... | 12 50 |
| Merwin street..... | 5 02 |
| Mulberry street at No. 73..... | 7 00 |
| Muirson street at Perry..... | 6 10 |
| Main street at River..... | 1 25 |
| Muirson street at St. Clair..... | 7 50 |
| Merwin street at Sycamore..... | 3 20 |
| Mulberry street at Spruce..... | 7 65 |
| National Mills at R. R. shops..... | 15 90 |
| Ontario street at Champlain..... | 6 75 |
| Ohio street at Woodland avenue..... | 14 95 |
| Osborne street between Scovill and Woodland avenues..... | 4 80 |

| | |
|--|-------------|
| Osborne street at Garden..... | 11 95 |
| Pearl street at Mulberry ... | 7 30 |
| Pearl street at Monroe.... | 3 05 |
| Prospect at Willson. | 3 30 |
| Prospect between Willson and Kennard | 7 50 |
| Rockwell street at Wood..... | 11 17 |
| Rhodes avenue... .. | 2 00 |
| Seneca street at Lake. | 12 25 |
| Sinora street at Sterling | 4 00 |
| Spencer street at No. 58.... | 7 60 |
| Scoville avenue, corner Putnam | 13 30 |
| Sheriff street at Euclid avenue..... | 2 00 |
| Scovill avenue at Vine..... | 75 |
| St. Paul street at Washington .. | 83 00 |
| Scranton avenue near A. & G. W. freight house..... | 19 32 |
| Willson avenue | 2 12 |
| Willson avenue at Garden..... | 24 30 |
| Willson avenue at Euclid..... | 7 50 |
| Wood street at Lake.... | 12 70 |
| Water street at Johnson.. | 3 55 |
| Water street at St. Clair... | 3 50 |
| | <hr/> |
| | \$ 607 34 |
| Cleaning by contract..... | 1,881 74 |
| | <hr/> |
| | \$ 2,489 08 |

TABLE NO. 5.

STATEMENT SHOWING COST OF CLEANING, FLUSHING AND REPAIRS
OF SEWERS IN DETAIL DURING THE YEAR.

REPAIRING SEWERS.

| | |
|---|----------|
| Alley between Prospect street and Euclid, near Perry.... | \$ 10 02 |
| Brownell street near Garden | 7 05 |
| Clark avenue at Poplar..... | 12 85 |
| Canal street at Seneca..... | 2 85 |
| Canal street east of Seneca..... | 19 80 |
| Detroit street at Wall..... | 13 40 |
| Erie street at Bolivar..... | 12 50 |
| East River street north of St. Clair | 63 80 |
| Erie street at Parkman..... | 9 15 |
| Franklin avenue near Circle..... | 19 56 |
| Front street..... | 2 24 |
| Hill street between Ontario and Middle..... | 3 25 |
| Lorain street at Pearl..... | 12 50 |
| Liberty street at Franklin avenue... .. | 14 79 |
| Meadow street | 10 40 |
| Main street hill between Washington and Mulberry streets..... | 12 50 |

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| | |
|---|-----------|
| Main street at East River street..... | 42 67 |
| Main street at West River street. | 82 50 |
| Ontario street between St. Clair and Public Square..... | 5 85 |
| Perry street at Sibley..... | 11 75 |
| Rockwell street near Erie..... | 1 77 |
| St. Paul street..... | 3 25 |
| Sterling avenue between Prospect and Sibley..... | 2 12 |
| Sterling avenue at Prospect street.... | 1 73 |
| Superior street at outlet of sewer..... | 47 90 |
| Water street between Front and East Main..... | 14 35 |
| | <hr/> |
| | \$ 440 55 |

FLUSHING SEWERS.

| | |
|--------------------|----------|
| Birch St ... | \$ 61 00 |
| Crooked alley .. | 104 75 |
| Cheshire St..... | 18 75 |
| Champlain St..... | 6 25 |
| Canal St.... | 21 00 |
| Courtland St..... | 9 00 |
| Church St..... | 6 00 |
| Clinton St | 63 60 |
| Center St..... | 2 00 |
| Duane St | 12 00 |
| Detroit St .. | 5 75 |
| Euclid avenue..... | 111 00 |
| Front St.... | 24 75 |
| Frankfort St..... | 9 00 |
| Franklin Ave..... | 78 00 |
| Fulton St..... | 12 00 |
| Fourth St..... | 37 50 |
| Garden St | 29 25 |
| Granger St | 46 88 |
| Huntington St .. | 31 25 |
| Huron St..... | 7 56 |
| Hamilton St.... | 22 50 |
| Hanover St | 84 00 |
| Kentucky St.... | 6 00 |
| Kennard St.... | 2 00 |
| Long St..... | 6 25 |
| Mandrake St..... | 3 00 |
| Merwin St.... | 3 75 |
| Mulberry St..... | 82 50 |
| Orange St | 11 25 |
| Oak Place..... | 6 25 |
| Old River St..... | 243 44 |
| Osborne St | 9 00 |
| Prospect St..... | 34 12 |

| | |
|------------------------------|-------------|
| Public Square..... | 15 00 |
| Phelps St..... | 2 00 |
| River St... .. | 72 25 |
| Root St | 9 00 |
| Seneca St..... | 6 25 |
| St. Clair St.... | 77 00 |
| Spruce St..... | 16 00 |
| Scranton avenue.... | 1 62 |
| Taylor St..... | 6 00 |
| Water St | 24 25 |
| Wood St..... | 19 50 |
| Walnut St | 40 50 |
| West River St..... | 145 88 |
| Woodland avenue..... | 1 62 |
| <hr/> | |
| Total cost of flushing... .. | \$ 1,647 62 |
| Total cost of repairs... .. | 440 55 |
| <hr/> | |
| | \$ 2,088 17 |

TABLE NO. 6.

STATEMENT SHOWING COST OF REPAIRS TO CULVERTS DURING THE YEAR.

| | |
|------------------------------------|----------|
| Brecksville road | \$ 6 35 |
| Clark avenue, at Milford.... | 6 55 |
| Train street..... | 16 50 |
| French, Merwin..... | 13 50 |
| St. Clair, at Case's nursery | 12 05 |
| Not stated | 5 75 |
| <hr/> | |
| | \$ 60 70 |

TABLE NO. 7.

STATEMENT SHOWING COST OF REPAIRS OF SHEATHING ON BRIDGES DURING THE YEAR.

| | |
|--------------------------------|----------|
| Canal bridges..... | \$ 47 00 |
| Centre street bridge.... | 21 00 |
| Columbus street bridge..... | 66 19 |
| Eagle street bridge..... | 4 25 |
| Jefferson street bridge..... | 45 50 |
| Lower Central Way bridge .. | 38 06 |
| Main street bridge..... | 52 76 |
| Seneca street bridge..... | 80 12 |
| South Water street bridge..... | 7 00 |
| Swiss street bridge..... | 29 11 |

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| | |
|--------------------------------|-----------|
| Upper Central Way bridge..... | 19 88 |
| Walworth run bridge..... | 102 92 |
| Willow street bridge | 50 37 |
| Winslow street bridge..... | 1 82 |
| Commercial street bridge. | 9 88 |
| Independence street bridge.... | 5 75 |
| Turney avenue bridge | 5 75 |
| | <hr/> |
| | \$ 587 36 |

TABLE NO. 8

STATEMENT SHOWING COST OF CLEANING AND OF NEW AND REPAIRS TO OLD CROSSWALKS DURING THE YEAR.

| | |
|---|---------|
| Alley at Kentucky street, south of Detroit street..... | \$ 3 00 |
| Alley at Taylor street, south of Franklin avenue.... | 11 50 |
| Alley between Rose and Jay streets | 3 49 |
| Alley east of Gordon avenue..... | 7 87 |
| Alley on Sterling avenue..... | 5 28 |
| Alabama St. at Lake. | 27 06 |
| Aspen St. at Lawn | 20 13 |
| Beverly St at Lawn..... | 16 27 |
| Clark avenue at Guage | 11 75 |
| Clark avenue at Burton..... | 11 25 |
| Clark avenue at Milford | 9 75 |
| Cedar avenue at Fairmount | 17 16 |
| Columbus St. between Howard and Columbus St. bridge | 113 94 |
| Dayton St. at Payne avenue.... | 17 82 |
| Danforth St. at Payne avenue..... | 5 20 |
| Detroit St. at Gordon..... | 3 25 |
| Euclid avenue at Fairmount | 11 22 |
| Forest St. at Orange..... | 15 84 |
| Fulton St. at Bridge. | 26 27 |
| Garden St. at Brownell. | 21 12 |
| Gordon avenue at Lorain | 23 10 |
| Hitchcock St. at Walton avenue..... | 82 77 |
| Howard St. at Scranton avenue..... | 16 45 |
| Hill St. at Monroe..... | 18 20 |
| Kentucky St. at Woodbine..... | 25 25 |
| Mill St. at Seymour..... | 59 32 |
| Mill St. at Walton avenue..... | 76 81 |
| Orange St. at Forest.... | 15 84 |
| Ohio St. at Brownell..... | 15 84 |
| Parkman St. at Brownell..... | 12 54 |
| Pelton avenue at Fairfield.... | 46 09 |
| Payne avenue at Dodge. | 16 17 |
| Payne avenue at Huntington. | 17 82 |
| Paone avenue at Danforth..... | 1 36 |

| | |
|---|-------------|
| Pearl St at Munroe..... | 2 48 |
| Quincy St. at First..... | 21 12 |
| St. Clair St. at Willson..... | 52 47 |
| Superior St. at Oliver..... | 38 28 |
| Superior St. at Minnesota..... | 38 28 |
| Scovill avenue at Brownell..... | 14 34 |
| Scranton avenue at Castle..... | 13 60 |
| Walworth Run bridge on Columbus St..... | 9 27 |
| Willson avenue at Haltnorth..... | 27 23 |
| Webster St. at Brownell. | 11 71 |
| Washington St..... | 8 00 |
| <hr/> | |
| Crosswalks laid and repaired | \$ 1,024 11 |
| Crosswalks cleaned..... | 74 07 |
| <hr/> | |
| | \$ 1,098 18 |
| Cleaning by contractors..... | 236 90 |
| <hr/> | |
| | \$ 1,335 08 |

TABLE NO. 9.

STATEMENT SHOWING COST OF LUMBER DURING THE YEAR.

| | |
|--|-------------|
| Bridges | \$ 441 73 |
| Paving blocks ... | 169 02 |
| Box gutters, drains, crosswalk bridges, &c | 1,781 94 |
| <hr/> | |
| | \$ 2,392 69 |

TABLE NO. 10.

STATEMENT SHOWING SALARIES OF OFFICERS EMPLOYED IN THE DEPARTMENT DURING THE YEAR.

| | |
|--|-------------|
| Salary of Street Commissioner..... | \$ 2,500 00 |
| “ Assistant .. | 1,200 00 |
| “ Clerk..... | 599 76 |
| “ Superintendent of Catch Basins | 809 00 |
| “ Superintendent of Streets..... | 1,734 88 |
| “ Superintendent of Repairs on Paved Streets. | 887 00 |
| <hr/> | |
| | \$ 7,730 64 |

TABLE NO. 11.

STATEMENT SHOWING MISCELLANEOUS BILLS IN DETAIL.

| | |
|---|-----------|
| City yard, including repairs and Janitor .. | \$ 743 38 |
| Cleaning snow, &c., from sidewalks, stairways and box gutters | 231 71 |
| To repairs on pounds..... | 71 26 |
| Cleaning rubbish from Street Commissioner's yard..... | 8 50 |

STREET COMMISSIONER'S REPORT.

209

| | |
|--|-------------|
| Building platform in front of City Hall..... | 10 50 |
| Sharpening picks | 94 86 |
| Hardware | 285 00 |
| Stationery and printing..... | 27 44 |
| Repairing Street Commissioner's office..... | 160 34 |
| Plumbing and material in Street Commissioner's office..... | 89 68 |
| Moving and lowering " " " " | 40 00 |
| Ice for Street Commissioner's office | 25 25 |
| Stone for streets, &c. | 380 99 |
| Gravel for streets, &c. | 128 54 |
| One horse cart..... | 34 00 |
| Roofing horse sheds... .. | 19 22 |
| Supplies | 79 40 |
| Sundry small bills... .. | 80 38 |
| | <hr/> |
| | \$ 2,510 45 |
| Puddling on streets..... | 184 76 |
| | <hr/> |
| | \$ 2,695 21 |

ANNUAL REPORT
OF THE
BOARD OF PARK COMMISSIONERS,
OF THE
CITY OF CLEVELAND,
FOR THE YEAR ENDING DEC. 31, 1879.

ANNUAL REPORT

OF THE

Board of Park Commissioners.

OFFICE OF THE BOARD OF PARK COMMISSIONERS.

To the Honorable City Council:

GENTLEMEN:—This, the Eighth Annual Report of the Board of Park Commissioners, comprising a statement in detail of the receipts and disbursements for the year ending December 31st, 1879, and a brief history of each of the several parks, now under the supervision of the Board, is respectfully submitted for the consideration and information of your honorable body.

With the exception of the slight improvements made in the South Side and Eighteenth ward Parks and the cost of building the foundation for the Perry Monument and laying the additional walks, made necessary by the removal of the monument, no expenditure has been made during the year, beyond that required to keep the parks in proper condition.

With the balance on hand January 1st, 1880, and the levy for the year, the fund will be sufficient to maintain the parks and make such improvements in Monumental and South Side Parks as may be advisable.

The faithful and diligent discharge of duties imposed upon the employes in the care of the parks, during the past year, is

made manifest in the present excellent condition of each of these several breathing places, while the appreciation with which the public regard them had its ample proof in the throngs who enjoyed their vernal beauties during the summer months.

With many of our avenues and streets garnished by stately trees and lined with broad and well kept lawns, Cleveland presents on many sides the appearance of an extended park, and it is to be hoped that, with the growth of the city and the bringing within its limits of additional territory, such wise legislation will be had as shall still further enhance its beauty in this respect. While the laying out of streets and avenues is not within the province of this Board, your Commissioners would suggest that some well devised general plan, looking to a symmetrical development of the many local advantages surrounding our city, be adopted, and that a due regard be had to the probable future requirements for park purposes. The allotments of land and the laying out of new streets, previous to the adoption of such a plan, may prove disastrous to any future effort in this direction. The advisability of creating a Platting commission in this connection might well be considered by your honorable body.

Some years since your Board of Commissioners had under advisement a project looking to an appropriate and substantial public recognition of the worth of Mr. Leonard Case, Sr., and his two worthy sons, William Case and Leonard Case, Jr., a family whose broad and liberal views, personal energies and great wealth were largely devoted to the material prosperity of our city. William Case, up to the time of his death, had taken an active part in the direction of public affairs, having for two years been the chief executive officer of the city. The recent death of the last member of the family, and the magnificent endowment bestowed for the creation and maintenance of a School of Applied Science; an endowment which, if wisely administered, as it doubtless will be, must prove vastly advantageous to Cleveland, has revived the dormant project, which at

no time had been entirely lost sight of, and the attention of your honorable body is now invited to the subject, with a view to its fulfillment in the near future, and with the assured conviction that you will give to this Board your cordial co-operation.

It is proposed to erect a granite or bronze statue of Mr. Leonard Case, or a family group, upon or near the site now occupied by the pavilion in the northeast quarter of Monumental Park, and for this purpose a levy of one-tenth of a mill, in addition to the levy to be made for the care of the parks in 1881, will be asked; the sum thus raised will, it is believed, be ample for the purpose; should a larger expenditure be deemed desirable we have no doubt that many of our public spirited citizens would esteem it an honor to contribute to the fund.

The integrity of that section of the park as a place of assemblage would not be destroyed by the placing of the statue on the location indicated, as the removal of the present pavilion, which has become so far decayed as scarcely to justify further repair, and the erection of a new one better adapted to the uses to which it is put, is contemplated, and the new pavilion could be so constructed, in connection with the proposed monument, as to better promote the objects sought for.

The following is an exhibit of the expenditures for the year and the condition of the fund January 1st, 1880:

| | Ordinary. | Permanent Improvement. | Total. | Bills of Other Years Paid in 1879 | Total. |
|----------------------|------------|---------------------------|------------|---|------------|
| Monumental..... | \$1,596 15 | \$510 28 | \$2,106 43 | ..... | \$2,106 43 |
| Lake View | 2,372 70 | 30 03 | 2,402 73 | \$430 78 | 2,833 51 |
| Franklin Circle..... | 653 20 | 10 75 | 663 95 | ..... | 663 95 |
| Clinton..... | 730 95 | 20 00 | 750 95 | ..... | 750 95 |
| Eighteenth ward..... | 190 86 | 145 88 | 336 74 | ..... | 336 74 |
| South Side..... | ..... | 178 52 | 178 52 | ..... | 178 52 |
| General..... | 380 00 | 88 65 | 468 65 | ..... | 468 65 |
| Total..... | \$5,923 86 | \$948 11 | \$6,907 79 | \$430 78 | \$7,338 75 |

The permanent improvements made in Monumental Park embrace the following items :

| | | |
|---|---|----------|
| Foundation for the Perry Monument | - | \$135 00 |
| Concrete walk around the monument | - | 50 00 |
| Drinking fountain | - | 62 49 |
| Lamps and globes for street lamps | - | 71 15 |
| Trees, vases, signs, etc | - | 64 85 |
| Overhauling the fountain and other plumbing | - | 86 79 |
| Additions and repairs to the pavilion | - | 40 00 |

The permanent improvements made in Miles Park and South Side Park consisted wholly of tree planting, turfing and laying out walks.

STATEMENT OF THE FUND.

| | | |
|---|-------------|-------------|
| Balance on hand January 1, 1879..... | \$10,130 34 | |
| Received from sale of house and fences on South Side Park..... | 209 50 | \$10,339 84 |
| Disbursements in 1879..... | | 7,338 75 |
| Balance on hand January 1, 1880..... | | 3,001 09 |

The levy for park purposes for the year 1880 has been fixed at 2-20 of a mill, which, with the balance as shown above will place about \$10,000 to the credit of the fund for use in 1880. This will be sufficient for the ordinary expenditures and the contemplated improvements for the year.

LOCATION AND AREA OF THE PUBLIC PARKS.

MONUMENTAL PARK

Comprises an area, as originally laid out, of ten acres, "the center of the park being the exact junction of Superior and Ontario streets." In 1836 the streets around the park were laid out and the park proper—the four quarters—now contains $4\frac{44}{100}$ acres.

LAKE VIEW PARK

Comprises all of the territory lying north and including twenty-five feet of the north side of Summit street to the tracks of the Cleveland and Pittsburgh Railroad, west of the east line of Erie street, and east of a line drawn through the center of Seneca street, and contains $10\frac{415}{1000}$ acres. By ordinance, passed June 29th, 1875, the Park Commissioners were authorized to take charge of all the lands fronting the park, lying north of lands owned by the railroad companies, for bathing and boating purposes.

FRANKLIN CIRCLE.

Is located at the junction of Franklin avenue, York, Fulton and Hanover streets, and contains, including the streets surrounding and passing through it, $1\frac{414}{1000}$ acres.

CLINTON PARK

Contains $1\frac{981}{1000}$ acres, which includes twelve feet of the streets surrounding it; it is located at the northern extremity of Dodge street, lying between Davenport street on the north and Lake street on the south.

MILES PARK

Contains $2\frac{45}{1000}$ acres, the streets surrounding it being included, it comprises the square bounded by Woodland Hills avenue on the east, Sawyer street on the west and Park street on the north and south.

THE SOUTH SIDE PARK

Contains an area of $9\frac{11}{1000}$ acres and lies east of Jennings avenue, with Starkweather avenue on the south, Merchant avenue on the east and Kellogg avenue on the south.

THE PUBLIC PARKS.

The history of our public parks would, if compiled in detail, present a nearly complete compendium of the history of the city; especially is this true of Monumental Park, as within its limits, in some degree, the elements which make history have found birth, the scenes witnessed in that park, in the main commemorative it is true, would, if recited in their chronological order, comprise an almanac of events of no mean pretension.

It is the intent in this report to present a mere outline of such a history, the facts given being based almost exclusively upon data procured from the official records of the city.

Prior to 1873 no levy had been made for park purposes; at irregular intervals a resolution of the City Council would direct some repair to sidewalk or fence, or the planting of trees to replace those decayed, the cost of which was paid from the General or Street fund.

The Board of Park Commissioners was created by ordinance passed August 22, 1871, an appropriation of \$5,000 was made in 1872, and placed at the disposal of the Board.

On the 29th of April, 1873, the Commissioners transmitted the following communication to the City Council.

“GENTLEMEN:—The Board of Park Commissioners respectfully call your attention to the fact that they are without money to fix up and put in repair Monumental, Clinton and Franklin street Parks, and respectfully ask your honorable body for an appropriation of \$10,000. We think it proper to

state that out of the amount heretofore appropriated the cost of laying the pavements (about \$16,000) around the park was paid, which we submit ought to have been paid out of the General fund. The cost and court expenses, also, of the appropriation of Lake View Park was paid out of that amount, and hence the fund has been reduced to nothing. We are not allowed by law to make any contracts or improvements without having money to pay for them, and you will therefore see that all work on the parks must stop unless an appropriation is made."

To carry out the request an ordinance was introduced providing for a transfer of \$10,000 from the General fund, but it was found that the Council lacked the authority to make such a transfer and no further steps were taken. A levy of two-tenths of a mill was made in 1873 for park purposes in 1874.

The following is a statement of the levies made and bonds issued and the amounts realized therefrom in each year, since the organization of the Board of Commissioners.

| Year. | Rate Mills. | Amount Realized from levy. | Bonds Issued. | Amount Realized from sale of bonds | Received from other sources. | Total. |
|------------|-------------|----------------------------|---------------|------------------------------------|------------------------------|--------------|
| 1874 | 2-10 | \$13,804 17 | \$235,000 00 | \$235,457 50 | ..... | \$249,261 67 |
| 1875 | 5-20 | 17,895 08 | 50,000 00 | 50,000 00 | 200 00 | 68,095 08 |
| 1876 | 4-20 | 14,424 30 | ..... | ..... | 12 15 | 14,436 45 |
| 1877 | 4-20 | 14,359 87 | ..... | ..... | 60 00 | 14,419 87 |
| 1878 | 1-20 | 3,507 56 | ..... | ..... | 4,749 60 | 8,257 16 |
| 1879 | ..... | ..... | ..... | ..... | 167 25 | 167 25 |
| 1880 | 2-20 | ..... | ..... | ..... | 209 50 | ..... |
| Total..... |  | ..... | ..... | ..... | ..... | ..... |

No levy was made in 1878 for 1879, the balance remaining to the credit of the fund being sufficient for that year.

The bonds issued in 1874 were for the purchase and improvement of Lake View; those issued in 1875 for Monumental Park and Franklin Circle improvements.

The amount credited as "Received from other sources" in 1878, is the payment made by the Cleveland & Pittsburgh R. R. Co. to the city, by virtue of the award made by the jury in the straightening of the north line of Lake View Park.

Under the proper heading reference to the expenditure is made at large.

Prior to 1853 the question of parks had not occupied the public mind, except, that in the summer of 1852 the idea of fencing in "the Park" had so far crystalized as to draw an opinion from the then city attorney, to the effect that it could be legally done; but as this project did not fully fructify until 1857, the date specified (1853) fixes the birth of an effort, which up to the present time has been but partially realized. In December of that year Nathan Perry, Esq., made a proposition to sell to the city a tract of land on Euclid avenue, containing about seven acres at \$2,000 per acre; this proposition was accepted by the city council, but a motion, made February 22nd of the following year, to the effect that the mayor appoint three commissioners to conclude the purchase was laid on the table, which effectually disposed of the project. In the meantime a resolution, reciting the desirability of a fair ground and market space, which should be fitted up as a park, was introduced in the council, and a committee was appointed to get from Philo Scoville, Esq., the terms upon which a tract of land lying between Greenwood, Perry, Scoville and Garden streets, could be secured, this tract contained about twenty acres; after having declared it expedient to make the purchase, at a price not to exceed \$3,000 per acre, negotiations were broken off.

In 1855 a committee of the council was appointed to confer with the board of improvements on the general subject of

parks; the year following an effort was made to induce the city to purchase a tract known as Williams' Park, located between Kennard and Garden streets and Willson and Case avenues; in the summer of 1857 another council committee was appointed "to enquire into the expediency of purchasing or otherwise procuring grounds for two city parks, one to be located on either side of the river," no results followed in either case and a long interval elapsed before further movement was made.

In the fall of 1865 the question was again brought forward, and was not allowed to be wholly lost sight of until ten years later, when the creation of Lake View Park in a degree exhausted the subject. A committee, having previously been appointed, submitted a report to the City Council on the 28th of November of that year, which report, being exhaustive in its character is given in full, as follows :

To the Honorable City Council :

Your committee appointed September 26th, 1865, to take into consideration the expediency of locating additional parks, would most respectfully submit the following report :

Your committee would, before entering upon the details of this report, speak of the extent of the territory covered by the city of Cleveland, of its past remarkable increase in population, and of its future prospects.

The city covers an extent of territory greater than that of many cities in the Union with a far larger population, its length from east to west being 5 and 5-100 miles; its average breadth is 1 and 1-10 miles, covering an are of seven square miles. Its population at different periods has been as follows :

| | | | | | | |
|-------------|------|----------------|------|---|---------|--------|
| In the year | 1825 | its population | was | - | - | 500 |
| " | " | " | 1831 | " | " | 1,100 |
| " | " | " | 1840 | " | " | 6,071 |
| " | " | " | 1850 | " | " | 17,034 |
| " | " | " | 1860 | " | " | 43,560 |
| " | " | " | 1865 | " | " about | 65,000 |

—showing more than 40 per cent. increase in the past five years. Taking the past growth as a criterion, and even diminishing the ratio of increase for each successive period of five years, for the next thirty years, the population of the city at the expiration of that time, will undoubtedly be at least as follows :

In 1870, 84,375 ; ratio of increase 35 per cent., about the size of Buffalo at this time.

In 1875, 109,677 ; ratio of increase 30 per cent., about the size of Chicago in 1860.

In 1880, 137,086 ; ratio of increase 25 per cent., about the size of New Orleans in 1856.

In 1885, 161,486 ; ratio of increase 20 per cent., about the size of Cincinnati in 1860.

In 1890, 189,158 ; ratio of increase 15 per cent., about the size of Baltimore in 1860.

In 1895, 208,073 ; ratio of increase 10 per cent., about the size of Cincinnati in 1865.

This estimate, it will readily be seen, is moderate, when it is considered that the anticipated ratio of future increase. is far less than the actual ratio of increase has been in the past.

The future wealth of our city, according to the well known law of increase in the value of real estate by growth in population, will be far greater in proportion to the number of its citizens, than at the present time.

For the accommodation of this great future population our city has neither parks nor markets adequate to its wants. In these respects it is far behind most cities of its class. It is not necessary for your committee to speak of the want of foresight in not providing grounds for parks and markets years ago commensurate with the future growth of the city ; inasmuch as we are all agreed upon that point. The necessity for parks was so little appreciated during the early days of our city, that it is said that a plat of ground of several acres in extent lying on the bank of the lake was given to the then village of

Cleveland for the purpose of a park, on the sole condition that the trustees should take measures to fence it in. Unfortunately there was not sufficient enterprise or liberality on the part of the trustees to appropriate a few dollars to carry out this condition ; consequently the land reverted to the donor.

Your committee believe that the wisest policy that can now be adopted to remedy the errors of the past is for this council to take measures to secure land for park purposes now—before real estate increases any further in value, and before it becomes an impossibility to secure a location on the lake at any price.

Unless this course is adopted, future generations will inevitably condemn our lack of foresight and public spirit, in the same or severer terms than those in which we now speak of the short sightedness of the early settlers of our city for their neglect in not providing suitable grounds for parks, markets, etc.. when such grounds could have been obtained for a merely nominal sum.

Your committee have given this subject their earnest and careful consideration, with a full knowledge of the financial ability of the city to meet the proposed expenditure ; and they have come to the conclusion that it is expedient that three parks should be established, with the location and extent hereinafter specified.

For the lake park—All the land situated north of Lake street, between Seneca street and the center of ten-acre lot No. 137, and all the land north of a line that would be a continuation of the southerly line of Summit street, between Bank and Seneca streets, the whole containing about seventy-seven acres.

For West Side Park—Seventy-five acres located within the following limits : Detroit street on the south, Oakland street on the east, Lake Erie on the north, and lands owned by W. P. Taft on the west.

For park in the eastern section of the city—Fifty acres in any suitable location between the following named streets : Hudson on the west, Willson avenue on the east, Cedar street on the north, and Kinsman on the south.

The following are some of the reasons that have influenced your committee to make the foregoing recommendations for three parks :

First. It is generally conceded that if but one additional park is to be established, it should be located on the east side. In that event, owing to the peculiar topographical formation of the ground on which the city is situated, and the distance from the extreme western limit to the eastern side, this location would be exceedingly inconvenient and out of the way for the people of the West Side, composed as they are mainly of the working class who are not able to keep conveyances.

Under these circumstances your committee deem it expedient that a park be established on the West Side, located in accordance with the recommendations embraced in this report.

Second. That for the purpose of accommodating the business and central portions of our city, and also with the intention of affording a place where the people can obtain an unobstructed view of the lake, it is deemed of the most essential importance that a park should be also established on the lake shore, as hereinbefore described.

Third. That owing to the great distance from the easterly limit of the city to the proposed location for a lake park, it would be inconvenient for the residents of the former section consisting largely of the working classes, to often visit that park ; and also owing to the fact that land in the eastern part of the city can now be purchased at a comparatively low price, and that several gentlemen have already agreed to contribute the sum of ten thousand dollars toward the payment for the same, and that undoubtedly still further amounts will be contributed for that purpose. The outlay for such a park will not be unreasonable, especially when we take into account the enjoyment it will give to a large population that will exist in its vicinity. For the foregoing and other reasons, your committee would recommend the establishment of a park, as before described, in that section of the city.

We are fully satisfied that it is universally the desire of our people to have provided more park privileges, especially one located on the lake shore. Your committee feel perfectly justified in making the foregoing recommendation on the following grounds :

That the establishment of the proposed park, more particularly the one on the lake shore, will add to the beauty and attractiveness of Cleveland to such an extent as to invite from abroad many, especially men of capital, who would make this their future home and add greatly to our tax duplicate.

The lake park would increase the reputation of the city as a place of summer resort to such a degree as to make it a rival of Newport as a watering place. Our people, especially the women and children, would be inclined to spend more time out of doors enjoying themselves on these grounds. It will be needless for your committee to speak of the impression the lake park would create on the mind of the stranger unaccustomed to such scenes.

It can be imagined that his thoughts will often revert to its beauties, and to the grandeur of its views. Its location being bounded on the west by the new Union depot and by the easterly line of Bank street, where nearly all our railroads center, and being within a few minutes' walk from all our principal hotels and from the business center, would enable him with little loss of time to see the lake with all its panoramic beauty and attractiveness.

As a matter of investment, the city cannot by any possibility suffer any pecuniary loss. The moment these parks are laid out, the very value of the territory embraced in them would be thereby materially increased, and it would continue to increase for all time to come ; especially would this be the case with the lake park, owing to its proximity to the business center of the city. A drive laid out on the brow of the bank running the entire length of this park, a distance of over one mile, can not be excelled.

For the accommodation of the people who have no carriages a horse railroad could be laid on this drive. The establishment of these parks will enhance the value of real estate in their neighborhood so much that the extra tax from the increased value will alone nearly pay the interest on their cost.

This is strikingly exemplified in the case of the great Central Park of New York, which, costing as it did over \$10,000,000, has already added a sufficient amount to the tax duplicate to pay the interest on that sum.

In regard to the probable cost of these proposed parks, your committee are of the opinion, after giving the subject thorough consideration and making some approximate estimates, that the cost will not amount to more than the benefit to be derived from them, nor more than the ability of our city to pay will warrant.

In proof of this statement your committee would submit the following plan, by which the entire probable or even possible expenditure for the purchase of these parks can be met without adding one farthing to the tax duplicate. This may seem surprising to many, whose only idea of the beneficial results of the proposed purchase of park grounds is involved in vast expenditures and burdensome taxation. But the proof of our statement will be presented in the following financial summary :

The city indebtedness for the construction of the Water Works, for which bonds have been issued, amounts to \$550,000. These bonds mature in the year 1878. In 1862 certain railroad stock belonging to the city, were set apart to constitute a Sinking Fund, for the payment of the bonds at maturity. This Sinking Fund, on the 1st of January, 1866, will amount to about \$475,000. It is a fair estimate that in 1878, the date of the maturity of the bonds, the railroad stocks, with their accumulations, will amount to at least \$1,200,000.

Deduct from this the amount of the bonds, \$550,000, and there will still remain in the Sinking Fund \$650,000, applicable

to such purposes as the city may hereafter determine ; or if the railroad stocks be retained, at least \$450,000 will be accessible; and the dividends on the stocks retained will amount to about \$150,000 in each succeeding five years.

It will therefore be readily seen that bonds may be issued predicated upon the accumulations of the above fund and upon its continually increasing profits.

Your committee, in conclusion, would most respectfully recommend the appointment of a committee to confer with our State Senators and Representatives, for the purpose of procuring with as little delay as possible, the necessary legislation to authorize the city of Cleveland to appropriate such land as may be necessary for a park on the West Side, and on the lake shore on the East Side, as defined in the foregoing report, and to levy a discriminating tax on property benefited.

Your committee recommend that the Mayor and Committee on Parks and Public Grounds be authorized to enter into negotiations for the purchase of not more than fifty acres in the eastern section of the city, within the boundaries specified and recommended in this report, and report the result to this council as soon as practicable."

The comments of the committee on the lack of foresight on the part of its predecessors, upon which "we are all agreed," and the animadversion on the absence of enterprise and liberality, in the failure of the ancient trustees to spend a few dollars for a fence, might, in the light of following events, be regarded by the cynical as apropos to the present condition of things.

The committee appointed, as recommended in the report, to secure legislation, were not successful, as the following resolution, adopted by the Council, December 18th, 1866, seems to indicate :

"WHEREAS, There exists a great inconvenience from the want of and a need of public parks and grounds in the city, (as in fact we have none worthy the name) and

WHEREAS, The public spirit demands that a suitable place for

a pleasure walk, drive or ride, away from the busy world of industry be provided, and

WHEREAS, There now seems to exist a determination to open the streets through our present park, and

WHEREAS, It is true, as the special committee on parks stated in their report about a year since, that this city would be second to none, even to the famous watering place—Newport, R. I.,—had we the grounds for such along the banks of the beautiful Lake Erie, therefore,

Resolved, That the committee appointed a year ago last summer be, and they are hereby reappointed and instructed to consult with the members of our State Legislature, especially the members from this district, and if needs be go to Columbus, when the proper time comes to urge the necessity of a law, giving to the city the right to appropriate suitable lands for public parks and grounds for cemeteries, also

Resolved, That when the State Legislature meets, the City Clerk transmit them a copy of the foregoing resolutions."

Eight months elapsed before further steps were taken. August 28th, 1867, a meeting of citizens held in the Mayor's office resolved that the City Council be requested to take the necessary steps to procure a suitable park for the city, and report upon the general subject of parks ; and that the Legislature should be asked to authorize the city to appropriate land for park purposes.

The Council, in conformity with the request; appointed a committee of five to carry out the suggestion ; this committee so far succeeded as to procure the desired legislation, but four years were allowed to elapse before any result accrued.

In 1871 an ordinance was passed creating the Board of Park Commissioners, the act of the Legislature above referred to, requiring the creation of such a Board prior to any steps being taken looking to the appropriation of property for park purposes.

The subsequent history of the public parks will be found in the several chapters following under the distinctive headings.

MONUMENTAL PARK.

This, the most venerable of our parks, about which centers many of the most prominent and lasting reminiscences of events which mark the history of our city, dates its existence from the inception of the Forest City.

The original surveys of Cleveland, made by Augustus Porter in 1796, and accepted by the Connecticut Land Company, marks this place as a Public Square, and a plat made by Amos Spafford in 1801, being "the minutes of the survey of the outline roads, lands and square of the city of Cleveland, as surveyed for the Connecticut Land Company in the year 1796, by Augustus Porter," contains the following:

"The Square is laid out on the intersection of Superior and Ontario streets and contains ten acres, the center of the junction of the two roads is the exact center of the Square."

The square was then nothing more than an open space, a widening, as it were, of Superior and Ontario streets; "remaining," as Payne's "Cleveland Illustrated," says, "for a long time an open common, crossed in all directions by footpaths. It was made the playground of the boys of the village, public meetings were held on it, everything of an out-door public nature took place there, cattle grazed on its scanty herbage, horses were exercised on its broad area, and no doubt the wandering swine of the early inhabitants of the future city ploughed the turf with their snouts. The maps of the town for twenty years do not show any streets crossing its surface, being carried only to the boundaries." *

* The minutes of the survey made by Porter in 1796 contains the following description of Superior and Ontario streets, which would seem to indicate that these streets are continuous: "Superior street is two chains in width and begins at said last mentioned post (now corner of Water and Superior) and runs north 56 deg., east 50 chains and 50 links to a white oak post standing on the west line of Erie street. Ontario street begins at a post standing on the bank of the lake in the west line of said street, 24 chains east of the east line of Water street, then running south 34 deg., east 51 chains to a post standing in the northern line of Huron street."

In October, 1815, at a meeting of the village trustees it was ordered that there be established among others, "a street on the Public Square, running around said Square on each side, and paralel and immediately within the outline of said Square."

In 1812 a log court house and jail were erected in the northwest corner of the Square; the structure was two stories high and about thirty by forty feet in size, constructed of oak blocks. In 1828 this had become inadequate and a new and far more pretentious structure was erected in the southwest quarter of the Square. The old house was not, however, removed until 1831.

The new structure, built of brick and crowned with a wooden dome, was justly regarded with pride, being a monument to the spirit and enterprise of the growing city. In this temple of justice the forensic eloquence of a rising generation of law givers and expounders was first displayed. There are still among us venerable and respected citizens, who constituted a part of that community of bright intellects who, on occasion, awakened the echoes in that old court house by their ringing voices, while many more have been gathered to their fathers.

In 1858 this building was removed, having in its turn become inadequate to the needs of a community, which, when it was erected numbered less than one thousand souls and had, in the interval of thirty years. increased to a proud city, with a population of over 40,000.

No other efforts looking to the occupancy of any portion of the park for building purposes was made until thirty years later, when the need of a city hall prompted the adoption of a council resolution, instructing one of its committees "to get up plans for a city hall building to be erected in the southwest corner of the Square;" nothing resulted, but in 1869 the resolution was revived, and on October 5th of that year the Board of Improvements reported in favor of its adoption; the Board was thereupon instructed to advertise for plans and specifications for such a structure, and authorized to offer an

award of \$600 for the best plan presented, \$500 for the second and \$400 for the third best ; the plans and specifications were duly presented, the awards were made and there the matter was dropped.

"The Square" was allowed to remain in a natural condition until late in the summer of 1837, when, by virtue of measures began in the spring of the preceding year, the necessary grading was done, and in the fall of the year following the two northern quarters were fenced, the fences occupying the line of the curbstones.

June 19th, 1839, a resolution was adopted by the City Council directing the Street Supervisor to fence in the southern portion in two equal divisions, to correspond with the northern portion, "as soon as the county commissioners whitewash the court house." The commissioners were incited to unusual diligence, and the improvement was soon consummated.

In 1837-38 the question of erecting a market house on the Square was agitated, but when the question received the attention of the Council, the judiciary committee of that body failed to agree as to the legality of the measure, and nothing further was done in that connection.

With each recurring Fourth of July, and the term of each political campaign the Park become the amphitheater in which the people assembled to perform the rites and ceremonies of the occasion. The celebration of September 10th, 1860, was doubtless the most notable of the many held in the Park. Over fifty thousand people, strangers and citizens, gathered within the enclosure to witness the imposing ceremony of unveiling the marble statue of Commodore Oliver Hazard Perry; this beautiful marble, the production of the American sculptor, William Wolcott, was placed in the exact center of the Square, as it then was, where it remained until 1879, when it was removed to its present location in the southeast quarter.

The original cost of the monument complete was \$8,000, of which amount \$4,992 was raised by subscription and \$3,008 was paid out of the City Treasury.

To the personal efforts of the Hon. Harvey Rice the city is largely indebted for the possession of this enduring mark of the value and worth of the hero of Lake Erie.

The great Sanitary Fair of 1864 constituted another eventful era in the history of the park. The fair opened February 23d and closed March 11th; it was held in a temporary wooden structure, substantially built, covering an area of 25,000 square feet, its central dome covering the monument. Vast numbers visited the fair daily during its continuance; the proceeds, aggregating nearly \$100,000 were devoted, through the agency of the Sanitary Commission, to the care of the sick and wounded soldiers in the field.

From the date of their erection to their permanent final removal the park fences constituted a theme for frequent municipal legislation—"to improve and repair, to prevent the depredations of cattle and swine;" "to keep boys and loafers from occupying it as a roosting place, to the annoyance of passers;" "to paint it;" "to close up all the entrances, except that leading to the Court House;" "to so improve it as to prevent boys from using the square as a ball ground;" "to replace the wooden fence with one of iron;" all these several propositions receiving, with the lapse of time, their proper consideration and due enforcement; but the grand *coup*, which marks a distinctive era in park history, culminated in 1857, when the entire area of the park was enclosed in one continuous fence. The proposition to so enclose the ground, in order to make "a grand Central Park," was first broached in 1852; the question was canvassed at some length, and on July 22d of that year numerous lengthy petitions were presented to the Council, praying that the streets intersecting the Public Square might be vacated, these, with a report of the Committee on Public Grounds, favoring the proposition, were referred to the City Attorney, who presented his report on the 24th of the following month. After reviewing the question and citing the decision of the courts in analogous cases the report concludes as follows:

"The undersigned is therefore clearly of the opinion that however desirable the object sought by the petitioners may be, and however much the course proposed might add to the beauty of the city, the corporation has no power to close those streets, unless the consent is first obtained of those whose property might be affected thereby."

This ended the first chapter in the drama, and for two years peace prevailed; the truce was, however, an empty one, as in the dog days of 1856 the fence war was renewed with increased vigor, vehement opposition on the one hand engendered increased determination on the other, and through the summer months the contest waged. Public meetings were held in the Square; the newspapers gave their "valuable space" to arguments pro and con; the Council was flooded with petitions and remonstrances and resolutions of inquiry as to "power and expediency" were adopted.

On the 7th of October the Council Committee on Judiciary reported in favor of granting the petition of over two thousand citizens to close the Square. November 25th the committee was instructed to pass an ordinance "vacating so much of Superior and Ontario streets as lay within the Public Square." December 24th the ordinance was introduced and passed on the 30th, with but one dissenting vote.

March 24th, 1857, the Street Commissioner was directed by resolution to "enclose the Square, so as to make one undivided park and to remove all fences not required to so enclose it."

In order to anticipate any opposition or obstruction, which might be contemplated by the opponents of the measure, and to forestall any process of injunction which might be issued the commissioner marshalled his hosts in the dead watches of the night, and the sun which rose on the morning of the 25th witnessed the deed accomplished.

In 1856 a fountain had been erected in the the center of the junction of Superior and Ontario streets,; this was regarded by some as an obstruction in the public highway and in 1860,

when the Council decreed that the Perry Monument should be placed upon that locality and the fountain removed to the place it has since occupied in the northwest quarter, remonstrances were made to the contemplated change, and this was made an occasion for petitions to remove all obstructions placed in Superior street, including the park fences; the Council refused to rescind its action, or to order the removal of the fences. The Square remained intact, and during the year the walks were repaired and other much needed improvements were made.

The rapid growth of the city, the limited space on her main business thoroughfare, and the consequent divergence of trade on to side streets, had now become permanent arguments against the blockade of Superior street at the Square; these and similar arguments found expression in petitions presented to the Council on November 20th, 1866. Remonstrances followed, all of which were referred to a special committee; the committee failed to agree, and on January 4th, 1867, submitted a majority and minority report. The majority of the committee could "reach no other conclusion than that Superior street, across the Square, was closed without legal justification, and that the petitioners have a clear legal right to have the same reopened and restored to the public use." A resolution instructing the Board of Improvements to carry out the spirit of the report was submitted.

The report of the minority, three out of the eight members constituting the committee, recites, among other things, that :

"The petitioners to open the park press their claim upon the basis of their legal rights, derived, as they assume, from the original proprietors of the city, and refer to the original surveys for their authority.

The petitioners who protest against this action with other considerations, deny this legal right, and refer to the same surveys. Now as to what would be the decision of our courts upon the original question involved we understand that the

most eminent lawyers, who have examined the subject, differ diametrically ; and that being the case, we would not assume to be competent to decide between them.

* * * * *

In view of the whole subject, the undersigned therefore recommend the adoption of the following resolution :

WHEREAS, This Council do not deem it incumbent upon them to assume the prerogative of a court and pass upon the legal questions involved in the claim, that Superior and Ontario streets were or were not originally laid out through the Square, or upon the validity of the ordinance passed by the City Council nine years since, under authority of the laws of the State, vacating the same streets and reserving the use of the same for a public park; that the courts of the State are organized especially for the decision of all such questions, and that they are the proper tribunal to refer this whole question to for final decision.

Resolved, That it appears from the report of the majority, and also the minority, of the special committee to whom was referred the petition for, and the remonstrance against, opening Superior street through the Public Square, that the duty of this council in the premises must depend upon the decision of grave legal questions arising out of the facts in this particular case; and whereas this council desires to do entire justice toward both petitioners and remonstrants, and at the same time to properly guard and promote the public interests and convenience, so far as the same may be connected with the matters referred to in said reports; and whereas it is very desirable that the law applicable to the facts in this matter be authoritatively settled at the earliest practicable moment, therefore,

Resolved, That in the opinion of this council, it is expedient to make an agreed case comprising the material facts involved, and have the same adjudicated as soon as may be."

The report of the minority and the resolutions accompanying it were adopted. A further resolution was adopted providing

"That a committee of three, with the City Attorney, be appointed to confer with the petitioners for the opening of Superior street through the Square, and make up an agreed statement of facts to be submitted to the courts for decision, subject to the approval of this Council."

The committee was appointed, a case prepared and presented to the court.

Judge Prentiss in delivering his decision, July 8th, 1867, held that the original survey and sales made under the same was evidence of a declaration, and that Superior was thereby dedicated as a continuous street, from Water to Erie street. He held further that an attempted vacation by the city was unconstitutional, inasmuch as no provision was made for compensation to the property holders. A decree was made, therefore, ordering the city to remove obstructions.

Notice of an appeal was given, but at the succeeding meeting of the Council the City Attorney was directed to withdraw the appeal bond and require of the parties interested in defending the suit to file a bond indemnifying the city, in the sum of \$50,000, before an appeal should be taken. The time having finally elapsed in which an appeal could be taken, and the bond not having been filed, the Board of Improvements, on the 13th of August of the same year, was directed to remove the obstructions. August 21st Superior street was opened.

The following week petitions were presented asking for the opening of Ontario street; no material opposition was offered, and on the 28th of September the Square had been entirely divested of its character as a "Great Central Park." Soon after the entire fence was removed, and many improvements begun and carried forward.

By ordinance, passed April 23d, 1872, the sum of \$5,000 was placed at the disposal of the Board of Park Commissioners, which had been created the year previous, and on August 6th, 1872, an ordinance was passed authorizing the issue of seven per cent. twenty year bonds, to the amount of \$30,000; a large

portion of these sums was expended in thoroughly remodelling the grounds, laying new and improved walks around and through the four quarters, erecting the pavilion, rustic bridge, fountain, pond and rock work, and so otherwise improving it as to present on all sides a beautiful and diversified landscape in miniature. No material changes or improvements, beyond the removal of the monument, have since been made.

Early in the year the Board of Commissioners had under consideration the application of electricity to the lighting of the park, and on January 27th, 1879, a communication was transmitted to the Council, as follows :

GENTLEMEN: —The application of electricity in some form to the proper and economical lighting of Monumental Park has engaged the attention of this Board to some extent, the introduction of the electric light and lighting of the present gas lamps by electricity having both been suggested, and with a view to the adoption of that system which shall best serve the purpose, it is proposed that the matter be considered jointly by the proper committee of your honorable body and this Board.

At the same meeting of the Council three resolutions on the subject were introduced, as follows :

“That the Committee on Gas be and they are hereby authorized and requested to enter into a contract with the Telegraph Supply Company for the lighting of the Public Square with the electric light. Said contract to be for one year and to provide that if the said electric light is not satisfactory to the City Council and the public generally, after the expiration of the first three months of lighting, the aforesaid contract shall be null and void, and the city shall not pay any part of the cost thereof. The total cost of lighting with the electric light shall not exceed the cost of lighting by gas for the same length of time. Contract subject to the approval of the Council. The Committee on Gas to order the discontinuance of lighting the gas lamps in and around the Square by the Cleveland Gaslight

and Coke Company during the time the electric light may be used therein."

This was referred to the Committee on Gas and the Board of Park Commissioners.

"That the City Civil Engineer be and he is hereby requested and instructed to examine into the advisability of placing electric lights in Monumental Square and report the probable cost of making the necessary connections, and placing all posts, etc., needed; also, the actual amount saved or expended (through the placing of said light) in comparison with the present price paid by the city for the gas in said park; also, the necessity for 105 lamps in and around said Square, when it appears that half of that number would well and sufficiently light the same."

This was adopted, as was also the following :

"That the President of this Council be and is hereby requested to appoint a special committee of three (3), whose duty it shall be to fully report upon all plans, specifications and necessary outlay, as well as on the price of a first-class, cheap and lasting illuminator for and upon the streets of this city, and report thereon at the earliest convenience."

A conference was had with Professor Brush and the Telegraph Supply Company, the result of which is embodied in the report of the Special Committee, as follows :

"Your special committee as appointed as per within resolution would respectfully report: That they have had a conference with the parties named in the resolution, and are of the opinion that there can be no doubt of the practicability of lighting up the Public Square in a satisfactory manner with the Brush electric light.

The question as to the probable cost is best answered by the proposition of the Telegraph Supply Company hereto annexed. By this proposition they propose to furnish double the amount of light as compared with gas at a price that is somewhat less than is now paid for lighting and expenses connected therewith under the present system.

Your committee would respectfully recommend that a contract be entered into with them, provided they put up all fixtures, without expense to the city, other than stipulated for lighting."

The proposition alluded to is as follows:

To the Honorable City Council of the City of Cleveland:

GENTLEMEN:—We make the following proposition for the lighting of Monumental Park by means of the Brush electric light. We will place twelve electric lamps in suitable positions in the park, so as to light the same throughout, and also the streets by which the park is bounded. We propose, by means of these twelve lamps, to furnish at least double the amount of light furnished by the gas lamps now in use in the above area. We will run the above lights during the number of hours provided for by the gas table now in use, for the sum of one dollar (\$1 00) per hour, payable monthly. We will further agree to furnish light as above contemplated on any night in the year; wherein light is not provided for by the gas table, for the sum of one dollar (\$1 00) per hour, payable monthly, provided we are notified that the extra lighting is desired, at least two hours before darkness, and provided that the number of hours that extra lighting is desired is specified. We shall expect the city to decide upon the style of lamp posts to be used for the support of the electric lamps, and to provide the same at its expense. We also suggest that the necessary wire for conveying the current of electricity from our factory to the various electric lamps in the park, together with the necessary poles to support said wire, be erected under the supervision of the Superintendent of the Fire Alarm Telegraph or the Fire Commissioners, and at the expense of the city. All other expenses connected with the furnishing of the light will be borne by us for the compensation proposed.

Respectfully submitted.

TELEGRAPH SUPPLY COMPANY,

By GEORGE W. STOCKLY,

Vice President.

The Committee on Gas and Park Commissioners reported on the resolution, referred as cited above, to the effect "that they concur in recommending that the resolution be amended by adding the following proviso: "Provided the total cost of lighting Monumental Park shall not exceed a rate equal to \$1,348 95 per annum," and that, as amended, it be adopted."

The Civil Engineer, upon the resolution requesting him to report the cost of lighting the Park with electric light, reported :

"The cost of lighting the 105 gas lamps now in the Park is \$2,052 75.

The lowest proposition that can be obtained for the electric light is \$1,978 50, or a saving of \$74 25.

The proprietors of the electric light agreeing to give double the amount of light as per the time table for gas.

As to the number of gas lamps now in use or lighted in and around the Park, I have to say that the matter has been before or under consideration by the Committee on Gas several times during the past year, and they have recommended that 36 out of the 105 lamps be dispensed with."

These several reports were referred to a special committee, appointed to consider the matter of street lighting at large. The committee reported at length; only that portion of the report referring to the lighting of the Park being here inserted:

"Your committee found that, while there may be a chance to lessen the expense of lighting the Monumental Park, either by gas, (by reducing the number of lamps), coal oil or gasoline, in comparison with the offer made to light said space through the medium of electricity by the so-called Brush light, we fail to see the advantage gained to the citizens of this city if, after the experience they have had with gas, etc., you should undertake to withhold from them the enjoyment and pleasure and the satisfaction of having their Monumental Park lit with the beautiful white light that the progressive people of this age have but lately invented and made perfect.

And while said Telegraph Supply Company's offer does not appear to be of any intrinsic value to them, as the cost and expense of placing the needed posts and wire connections, under their own supervision, will be very large, and the actual cost of lighting only been figured by them. Yet, in consideration of its being a home invention, as well as an advertisement for said Brush light, the company are willing to light your Square for a trifle less than now paid by the city to the Cleveland Gas Light & Coke Company, namely, \$1,978 50 per year. In short, your committee have come to the conclusion and have reason to believe that a trial of the electric light in the Square (and which will undoubtedly result in a grand success) is a step in the right direction and a consummation of the wishes of your constituencies, as well as an enterprise worthy of Cleveland."

On the 10th of March a contract was entered into with the Telegraph Supply Company in accordance with their proposition, and, on the evening of the 29th day of April, a dazzling glory filled the Park, crowds being present to witness the practical demonstration of a scientific victory.

LAKE VIEW PARK.

In the comprehensive and excellent report of the Special Committee, presented to the City Council November 28th, 1865, the full text of which is given on page 223, appears the first official expression relative to a lake side park, and the day is not far distant, if it has not already dawned, when an unavailing regret that the recommendations of that committee were not promptly carried out, will intrude itself upon the inner consciousness of every citizen having the interests of our city at heart.

The proposition contained in that report received no further attention until the early part of 1867, from which time until the summer of 1872 the question was kept well in the foreground, the intermediate action being referred to here but briefly.

January 22d, 1867, it was resolved "that the City Council will take early measures to secure, by purchase or appropriation, the lands abutting on both sides of Seneca, Wood, Bond Ontario and Erie streets from the edge of the hill to the railroad property, for park purposes."

September 3d, 1867, a committee was appointed to locate parks and apply to the State Legislature for an act authorizing the city to appropriate lands for park purposes.

May 7th, 1869, the desired act of the Legislature was passed.

July 27th, 1869, the Council Committee on Parks and Public Grounds reported on a resolution, introduced the previous week, to the effect that great pains had been taken by the committee to find a suitable location for a park, and had concluded that no better location could be had than the territory bounded as follows: West by Seneca street, north by the railway company's land, east by Erie street and south by Summit street, extended.

On the 9th of November the question was again revived in the Council by a resolution instructing the Board of Improvements to take the necessary steps to secure the land referred to in the above report. On this the Finance Committee reported the following week in favor of negotiating for the lot of land lying between the railroad tracks on the north, Ontario street on the east, Oneida alley on the south and Seneca street on the west; this report was adopted. At the same time the chairman of the Committee on Finance, the president of the Council and the chairman of the Committee on Parks and Public Grounds were constituted a select committee to ascertain and report the approximate cost of the territory described. This committee reported November 30th as follows:

"The special committee appointed by this council, with instructions to report the approximate cost of the property lying between Seneca and Ontario streets, Oneida alley and railroad track, report that they have received proposals from the owners

of the property embraced within the above described boundaries. The total expense will amount to the sum of one hundred and forty-seven thousand dollars (\$147,000). All the land lying south of Summit street is built upon, and a large portion of the above amount (if this property be purchased) will be expended for buildings and other improvements of little or no value to the city. Your committee are of the opinion that this parcel of land is entirely too small (about 500 feet square) to meet the object attempted by the city in securing a lake view, and the amount of money required to purchase this property entirely too much to warrant the city in making this purchase. Your committee would therefore recommend that the proposition to purchase property south of Summit street be abandoned, as a substitute would recommend that Summit street be extended and opened to Bond or Erie streets, and all the land lying north of said streets to the railroad track be purchased and appropriated for public grounds. This property can be purchased at less cost to the city than the piece of ground referred to your committee. If Summit street be opened through to Erie street it will give a frontage on the lake shore of 2,180 feet. At this point the Marine Hospital grounds occupy several hundred feet more of the lake front, making in all about 3,000 feet. The cost of this entire property will not exceed one hundred and thirty-five thousand dollars (\$135,000). To the minds of your committee the opening of this street will not only secure the object of a lake view, but being under the control of the city can be so improved at a small expense as to remove the unfavorable impression now made on the minds of strangers coming into our city. The opening of this street will secure to owners of land abutting the most valuable building lots in the city. Not many years would pass before this property will be elegantly built upon, presenting a beautiful appearance, instead of the present blotch on our otherwise beautiful city. This consideration alone has had great weight with your committee in recommending to your consideration the purchase and improvement of this property."

On February 8th, 1870, the same committee, having been instructed to invite proposals for the sale of lands lying within the prescribed territory, reported its inability to get satisfactory responses to their notices. The report concludes as follows:

"Your committee are still of the opinion that this lake view and street can be secured, with a fair appraisal, for the sum named in our last report, and we would recommend that said Summit street be extended according to law in opening streets, etc., believing this to be the most equitable way of proceeding, and that no improvement costing the same amount of money will secure to our citizens so many advantages as this. Much of the expense of this improvement can be saved by commencing on the east line of Ontario street instead of Seneca street, as proposed, as the land along the lake shore east of Ontario street is of little value for building purposes, and cannot be improved, and for years to come in all probability will remain (unless purchased by the city) in its present dilapidated condition, the most barren and unsightly approach to our city. With this improvement this will become the most beautiful and attractive feature to the stranger as well as our own citizens of our otherwise unparalleled city. We would therefore most respectfully recommend that the Board of Improvements be authorized to procure the proper appraisal of these lands lying between Ontario and Erie streets, and that the improvement be made as soon as practicable."

Another year was allowed to elapse before further steps were taken in the premises; the next movement was in the same direction, the report presented November 30th, 1869, being offered on May 3d, 1871, as a response to a resolution adopted by the council at the preceding meeting, calling for a report as to the cost of the land. The further consideration of the matter was thereupon deferred for three months.

At the same meeting, May 23d, 1871, the Mayor submitted a communication calling the attention of the council to the fact that the statute required that before any land should be ap-

propriated for park purposes, a Board of Park Commissioners must be created by the appointment of three resident freeholders to act as Park Commissioners. The communication was referred to the City Attorney, with instructions to present an ordinance creating such a Board.

The ordinance passed August 22d, 1871, and on October 31st the Mayor appointed and the council confirmed the following named gentlemen as a Board of Park Commissioners: Messrs. Azariah Everett, O. A. Childs and J. H. Sargeant.

Immediately upon the organization of the Board a resolution was adopted instructing the City Civil Engineer to furnish a plan of the property and ownership of the same, lying north of Lake street, between Seneca street and Erie street. also one of the property and ownership lying north of Summit street, from Seneca to Erie; and from this time forward each successive step brought the matter nearer to completion.

January 16th, 1872, a resolution was introduced into the city council instructing the Committee on Judiciary to prepare an ordinance providing for a submission to the people, at the ensuing April election, the question of authorizing a levy to be made, so that the bonds of the city might be issued in anticipation thereof, in sufficient amounts to purchase grounds for and properly lay out and embellish a public park or parks. The resolution was referred to the Board of Commissioners and Committee on Parks and Public Grounds. A favorable report was made March 19th, which, in its turn, was referred to the Committee on Finance, and thereafter never again saw daylight.

June 18th, 1872, the following communication was transmitted to the City Council by the Board of Commissioners:

"To the Honorable City Council of the City of Cleveland:

"The undersigned, the Park Commissioners of the City of Cleveland, respectfully report that they have maturely considered the propriety of having a public park for the city, and have concluded that the best interests of the city require a

park to be established on the lake shore, and they have the honor to recommend to your honorable body that you will take the necessary measures to appropriate for park purposes for said city the following described property, to wit: All the property between the southerly line of the right of way of the Cleveland & Pittsburgh Railroad and a line commencing on the westerly line of Erie street, 327½ feet north of the northerly line of Lake street; and extending to Seneca street, to a point 346 feet north of the northerly line of Lake street, also, all the property between the north line of the right of way of the Lake Shore Railroad and Lake Erie, and between Erie and Seneca streets."

The Board of Improvements and the City Solicitor, to whom the communication was referred, reported at the following meeting recommending that the suggestions be carried out.

At the same meeting, June 25th, a resolution declaring the intent of the city to appropriate certain lands for park purposes was referred to the Board of Improvements. On July 2d the Board reported, recommending the adoption of the resolution, with certain amendments; the resolution was thereupon amended and adopted unanimously, as follows:

Resolved, By the City Council of the city of Cleveland, that it is deemed necessary and said Council does hereby declare its intent to take and appropriate for park purposes the following described property within said city, to-wit: All the property between the southerly line of the right of way of the Cleveland & Pittsburgh Railroad Company, and a line commencing on the westerly line of Erie street, three hundred and twenty-seven feet and six inches (327 6-12) north of the northerly line of Lake street, and extending to Seneca street to a point three hundred and forty-six feet (346) north of the northerly line of Lake street; also all the property north of the right of way of the Lake Shore Railroad Company, and between Erie and Seneca streets, the same to be used for park purposes. Be it further

Resolved, That it is deemed necessary by said City Council and it does hereby declare its intent to appropriate for street purposes the following property, to-wit: All the property between a line commencing on the westerly line of Erie street (327½) three hundred and twenty-seven and one-half feet north of the north line of Lake street and a line eighty feet south of and parallel with said first mentioned line, and between Erie street and Seneca street; save and except that property within said described limits now used and occupied for street purposes, and known as Summit street, said property when so taken and appropriated to be used in widening and extending Summit street, between Erie and Seneca streets, and to be called Summit street. That the City Solicitor be and he is hereby authorized and requested to take the necessary legal steps to accomplish the purposes expressed in said resolution.

The necessary steps were at once taken and the land appropriated on May 2d, 1873, the jury made its award, the aggregate award being \$234,951 52; costs of court \$527 47, leaving a balance of \$234,424 05 to be apportioned among the several parties whose land had been appropriated. Seven per cent. bonds, bearing date December 1st, 1872, payable in fifteen years to the amount of \$235,000 were issued to meet the indebtedness thus incurred.

An ordinance, introduced January 28th, 1873, repealing the ordinance authorizing the issue of these bonds, and a resolution of March 25th, directing the mayor not to issue such bonds, were in their turn summarily rejected.

The following communication from the Board of Commissioners was sent to the Council June 24th:

"To the Honorable, the City Council:

The undersigned, Park Commissioners of the city, would most respectfully urge that Summit street, between Erie and Seneca streets, be graded and improved with as little delay as possible, and that a sufficient sum be appropriated to the improvement of "Lake View Park," to grade and soil the

grounds, and plant out about three hundred shade trees, and then seed down the grounds. We do not feel like recommending more to be done within the year. To do our part of the work we shall require about ten thousand dollars, after Summit street has been graded."

But beyond clearing the territory of the buildings remaining nothing further was done during the years 1873-4.

Early in 1874 the opponents to the park project began active operations, this time in the form of a resolution, introduced February 3d, and referred to the Board of Improvements, authorizing the Mayor to sell "as soon as it can be done without loss to the city, the land known as the Lake Shore Park, and the proceeds to be applied in the building of a City Hall."

The report of the Board on this proposition, presented February 10th, is to the effect: "That they deem it of the greatest importance to the city to have a City Hall, as nearly fire proof as possible, and if the city has no other means of paying for such a hall than the proceeds of the sale of this property, and it would be legal to so apply such proceeds, they believe it would not be an injudicious disposition to make of the property."

The Committee on Parks and Public Grounds and the City Solicitor, to whom the above report was referred, returned it February 17th, with the following report thereon:

"The Committee on Parks and Public Grounds would respectfully report on this resolution, and the report of the Board of Improvements, that it is not in their province to decide whether the city would have shown superior wisdom if, instead of purchasing Lake Shore Park, they had applied the same money in building a City Hall. The committee, however, believe that the city having condemned and appropriated said property for a public park, is morally (and we think legally) bound to all parties concerned to use the same only for the specific object contemplated and distinctly stated when said appropriation was made, and therefore report adversely to its sale for any purpose whatever."

This report was adopted.

On the 27th of October the Commissioners transmitted to council the following :

To the Honorable, the City Council:

GENTLEMEN:—The City Council in December, 1872, purchased the land comprised in Lake View Park, embracing the territory north of Summit street, lying between Seneca and Erie streets, for \$235,000. Since that time the city has paid \$24,000 interest on the bonds issued for said purchase, but owing to its position the citizens have been unable to derive any benefit from said park. The grading of Summit street, however, has opened the way for the immediate improvement of the park and its use by the people. Owing to the condition of the general fund this board were last year compelled to pay \$14,477 70 from its exceedingly limited resources for the sidewalks in and around Monumental Park and the Circle, although these walks should have been paid for otherwise. There seems no prospect of the money being repaid to the park fund. This wholesale depletion of our limited resources will prevent any improvement of Lake View unless your honorable body will authorize the mayor to enable us to anticipate the levy applicable to these uses by the issue of bonds, to be provided for by a sinking fund taken annually from the levy for park purposes. Considering the need the people have for Lake View Park, the cost of the same to the city, as well as the present unsightly condition of the lands embraced in its limits, we feel warranted in urging its improvement. The grading can be done this season if the bonds are authorized and the work done at very reasonable prices. In the history of this city there never has been so much unemployed labor as at present, and the low wages and uncertain labor of the past year have made necessary to the people all the employment possible this fall and winter. We would, therefore, as the improvement of Lake View Park will furnish employment to quite a force of men, ask your honorable body to pass the ordinance, read the first time last Tuesday, for the issue of bonds for this work without delay.

The ordinance, referred to in the foregoing communication, was passed November 3d, 1874, and bonds to the amount of \$50,000, bearing seven per cent. interest, payable in fifteen years, were issued; work was immediately begun and prosecuted until the task of reducing the unsightly mass of broken hill-side to a blooming garden was completed.

In order to straighten the northern boundary of the park, the following resolution was introduced March 22d, and adopted April 6th, 1875:

That in the opinion of this Council it is deemed necessary, and it does hereby declare its intent to take and appropriate for Park purposes the following described land to-wit: All the land lying between the southerly line of the right of way of the Cleveland & Pittsburgh Railroad Company, and a line commencing on the westerly line of Erie street, one hundred and thirty-nine and ninety-one one-hundredths (139 91-100) feet northerly of the northerly line of Summit street, and extending to the easterly line of Seneca street, to a point one hundred and ninety-nine (199) feet northerly of the northerly line of Summit street, or thirty (30) feet south of and parallel with the tangent or center line of said Cleveland & Pittsburgh Railroad, as laid out in 1851, said land when so taken and appropriated to be used for Park purposes.

The requisite ordinance was passed at the same session. The awards made by the jury gave to the Cleveland & Pittsburg Railroad Company \$1,840 10 and to the city \$6,589 70 for the land taken in each instance.

A number of petitions were presented in the summer of 1875 by parties desiring to erect and maintain boating and bathing houses on the lake front of the Park. On the 29th of June of that year an ordinance was passed, authorizing the Commissioners to take charge of the lands between the railroad tracks and the lake, for such purposes. With each recurring year the establishment of public bathing houses engaged the attention of the Council, and with singular persistency the

Park front was in each instance selected by the parties desiring to erect such establishments as the only available place. With our extended lake frontage, in many places quite as available and for many reasons more desirable for the purpose, and a strong desire to preserve unimpaired the natural beauties of Lake View, the Board of Commissioners, although heartily in sympathy with the objects sought for, had uniformly declined to assent to the propositions.

July 15th, 1878, a council resolution was adopted and sent to the Board of Commissioners to the following effect :

"That the Honorable Board of Park Commissioners be requested, and the Committee on Health and Cleanliness be authorized and directed, to consider conjointly the feasibility of erecting public bathing houses on the lake front of Lake View Park, and that they report to this Council such suggestions and plans as may to them seem best calculated to meet this demand, and that this Council earnestly requests such prompt action as may bring the matter into practical shape at once."

At a meeting of the Commissioners and the committee, held July 20th, the question was fully considered. A resolution requesting the Civil Engineer to prepare plans for and furnish an estimate of the cost of constructing the necessary approaches to the beach and bathing facilities at the foot of Wood street, was adopted.

August 3d the Civil Engineer submitted the following report :

"GENTLEMEN : I respectfully submit the following report and estimate for bathing purposes, between Ontario and Wood streets, in front of Lake View Park. I have made an estimate to enclose a space just west of the old piling, now extending out into the lake. This space will be 200x300 feet, enclosed by driving piles and filling in with stone ; also a foot-bridge and stairway over the railroad tracks, connecting the park with the lake ; also a tight board fence, seven feet high, for a

screen, 500 feet long, to be built six feet north of the northerly railroad track with steps down to the lake.

The approximate cost of the work above mentioned will be about \$5,870. If a foot-bridge is built with the necessary stairs, board fence, &c., leaving out the piling and stone filling, the cost will be \$858.

The cost of a passageway ten feet wide under the railroad tracks at Erie street, constructed with two stone abutments and iron stringers for the railroad tracks will be \$9,931."

The conclusions of the Board of Commissioners and the Committee, were embodied in the annexed report, which was submitted to the Council August 12th :

GENTLEMEN : In response to the resolution of Mr. Eggers relative to the erection of bathing houses in front of Lake View Park, we beg leave to report as follows : That under the advice of the City Solicitor it is not feasible to erect such bathing houses in front of said park, for these reasons : First, that the Board of Park Commissioners has no power to grant special privileges to individuals to erect and enjoy such structures on public grounds ; and, second, that the Board of Park Commissioners are without funds applicable to such purposes. Here, perhaps, we might leave the subject ; but in view of its great importance to the city, and of the recurring annual agitation of the subject at a period when too late for the accomplishment of anything for the season, we beg leave to call the attention of your honorable body to these facts : First, that by reason of the occupation of the lake frontage by railways for more than two miles, fronting the central part of the city, entirely without street crossings, the general public is almost wholly excluded from its enjoyment ; and, second, that the protection of the lake shore from the action of the waves is left wholly in the hands of the railway companies ; third, if the city should furnish convenient access to the lake, and take such action as would induce the formation of a beach, private

enterprise would provide upon private grounds all the bathing and boating facilities needful, and the Board of Park Commissioners could add such features in front of the park as would greatly enhance the enjoyment of our beautiful lake by the general public without trenching upon the rights of any, provided your honorable body saw fit to place the necessary funds in its hands. We would therefore recommend the appointment of a commission to devise ways and means for the protection of the lake front, and the means of access thereto for its proper enjoyment.

The City Solicitor was, by resolution, directed to consider the suggestions contained in the foregoing, and report as to the manner of creating the special commission and the legislation, if any, necessary in the premises.

On this resolution the City Solicitor reported February 3d, 1879, to the effect that "The Legislature has never conferred upon the city of Cleveland the power to levy any tax for such purpose, and if it is sought to establish bath houses at the public expense, the power must first be obtained from the Legislature."

February 24th the Solicitor was directed to draw up and submit to the Council, for its approval, a bill to be presented to the Legislature in accordance with the suggestions made in his report.

At a meeting of the Board of Commissioners, held March 1st, 1879, a proposition made by Mr. Samuel Law was considered, and the following resolution, in connection therewith, was adopted: "That this Board consent to the erection of a bridge over, or a passage way under, the railway tracks at the foot of Erie street, provided the plans for such structures be submitted to and receive the approval of this Board."

July 7th a contract, previously prepared, was approved by the Council, which gives to Samuel Law the right to erect and maintain a boating and bathing establishment on the lake

front, west of and fronting Erie street and Lake View Park, for a period of ten years, rent free ; the condition being that he shall erect and maintain, at his own expense, a bathing and boating house, constructed in conformity with certain plans and specifications, and operated under rules and regulations approved by the Board of Commissioners, the establishment to be ready for use by the 1st day of August, 1880.

FRANKLIN CIRCLE.

This park was laid out and dedicated by the original proprietors, and is described on the plat of the allotment, made by the County Surveyor October 1st, 1836, in the following words: "The Franklin Place was laid out for public ground. Its radius is 140 feet." It remained an open space until 1857, when, by virtue of resolutions previously adopted by the City Council, a fence was constructed enclosing the central portion, leaving a street thirty feet in width around it. At the same time a fountain was placed in the center and a frame pavilion erected and other slight improvements made.

In 1872 the fence and all the old works were removed, Franklin street was opened through, the grounds were graded and trees were planted. A pavilion of stone was erected and the rock work, known as the "Lava Beds," with its shrubbery and plants was completed; the walks through and around it were laid with flagging and asphaltum, and this park, although the smallest, is among the most attractive in the city.

CLINTON PARK.

This tract was included in an allotment made in 1835 by Messrs. Canfield, Dennison, Foster and Pease, and is described in the notes as follows: "Clinton Park, 364 feet 8 inches by 198 feet, the north line being the south line of Park Place, and the east line is 314 feet distant from the west line of ten acre lot No. 137, the south line being the north line of Lake street, and the west line being 314 feet distant from the east line of ten acre lot No. 136. Lots No. one to thirty-three are subject to a taxation for the improvement of said park, under the directions of trustees or a committee appointed by the owners of said lots, and each of the said lots to enjoy every privilege and accommodation of said park as a promenade or walk."

In 1853 the tract was fenced in and somewhat improved, and since the organization of the Board of Commissioners the park has been placed and kept in excellent condition.

MILES PARK.

In the space occupied by this park on the plat of Newburg village, made by Ahaz Merchant, County Surveyor, in 1850, is written the following: "This piece is given for a public square, as commons to be used and improved as such, in setting out shade trees and beautifying it with walks. It is 165 feet wide, extending from the west line of Gaylord street to the west line of Walnut street." The name of Gaylord street has since been changed to Woodland Hills avenue and that of Walnut street to Sawyer.

The tract was given for public purposes by Theodore Miles and on June 11th, 1877, an ordinance was passed by the City Council, naming the square Miles Park, in honor of the donor.

In 1860 a town hall was built upon the square at a cost of \$3,600; some twelve years thereafter a considerable addition was built.

In 1873 the village of Newburg was annexed to the city as the Eighteenth ward; two years later, by Council resolution, the park was placed under the control of the Park Commissioners.

THE SOUTH SIDE PARK.

The tract of land upon which the above title is bestowed by the ordinance dedicating it to park purposes was for some years a source of contention and litigation as between the owners and the people of the Thirteenth ward; with each effort made to apply the property to private use and profit, the bitterness engendered by the controversy was aroused afresh, until the phrase, "the so-called Pelton Park," became a slogan to the citizens of the "Heights," sufficient to arouse their every energy in defense of what they deemed their rights. The final purchase by the city in 1879 ended the strife.

In 1850 Mrs. Thirsa Pelton purchased, together with other property, sixty-nine acres of land, embracing the park territory, with a view to the creation of an advanced school or college for girls; the territory was allotted in 1851, the park tract being marked on the plat—"Pelton Park—a Private Park." The surveyor's certificate upon the plat refers to the tract as "Pelton Park, so-called, is laid out for a pleasure ground," while the

acknowledgment of the parties, in whose name the allotment is made, avers that they "reserve to themselves the right to control Pelton Park, it being expressly kept for a private park, to be managed by the proprietors, as they may in their wisdom think best, which, however, is occupied as a pleasure ground, and to be so kept and used forever."

The lack of means and the death, in 1853, of Mrs. Pelton prevented the consummation of the educational project. Pelton Park was fenced in and the gates were locked against the public; in 1857-8 considerable excitement upon the subject was felt, parties on the one hand tearing down the gates and fences, and the opposition rebuilding and repairing and taking other means to entrench themselves in possession.

In 1868 the question was brought to the notice of the City Council (the Thirteenth ward having been annexed to the city the previous year) and on May 19th the Committee on Judiciary of that body and the City Attorney reported that "said park is put by law under the control of Martin Kellogg, but that it shall be kept and used as a park and pleasure ground forever, and that any control of said park, in any manner, by private parties is illegal."

A month later the City Attorney was directed by the Council to take steps for the final settlement of the question and authorizing him to employ assistance in the case.

The decision of the court was adverse, and "Pelton Park, so called" remained a "private park."

April 30th, 1872, the City Council resolved "that the Park Commissioners be and they are hereby authorized to adopt such measures, whether legal or otherwise, as they may deem expedient, to take or obtain possession of that tract of land in the Thirteenth ward, known as Pelton Park, for the purpose of improving the same as a public park of the city." The Board of Commissioners were disinclined to enter into the controversy and no steps were taken under the authority thus conferred.

In 1875 the courts were again appealed to, with the same result, however, and for three years the question was allowed to rest.

In April, 1878, J. G. Jennings, Esq., presented to the Council a plat and subdivision of the park tract, thus placing the matter in shape for final settlement. On April 8th the Board of Improvements recommended the acceptance and approval of the plats; the Council, however, refused to accept or approve.

September 30th, of the same year, the Council by resolution appointed a special committee "to confer with J. G. Jennings and heirs of Brewster Pelton and ascertain on what terms and conditions they will surrender all their right, title and interest in and to the so-called Pelton Park and report to this Council."

The committee reported March 24th, 1879, as follows :

"To the City Council:

GENTLEMEN :—Your committee, to which was referred a resolution asking that it confer with J. G. Jennings and heirs of Brewster Pelton as to the terms and conditions on which they would surrender all claims to and in Pelton Park (so called) to the city, would respectfully report that, in conjunction with a citizen's committee of the South Side, appointed at a public meeting held for that purpose, your committee has had several meetings and conferences with the parties directly interested, and has canvassed the matter quite thoroughly in all its bearings, with a view of bringing the claimants and the people together in a spirit of conciliation and compromise, and obtaining such liberal proposition as would lead to a final settlement of this vexatious question, in a manner satisfactory to the people and advantageous to the city.

As a result of our labors, we herewith submit the accompanying proposition, and while under ordinary circumstances your committee would not at this time feel like recommending addi-

tional appropriation for park purposes, yet, under the peculiar circumstances surrounding this case, and as a means of settling a question which has divided the South Side for years, your committee cannot but feel that the city should be just, if not generous, to a part of the city which has always advocated and cheerfully borne her part of taxation for all needful improvements in other parts of the city.

The city has once appropriated this property at a much larger figure than what is now asked. The people have for more than twenty-five years looked upon it as unalterably a park, and can never feel satisfied to relinquish it. Your committee believe, taking a broad view, and looking at the future growth, prosperity and beauty of the whole city, it would be to her advantage to secure this valuable property now, while it can be had at a compromise price, and before it is subdivided and passes forever out of her reach.

Whatever difference of opinion there may be as to the right and equity involved in this park controversy, the decisions of the courts have been uniformly against the people, and they now feel that this is their last chance, that unless the city comes promptly to their rescue the park is forever lost to them.

Your committee would therefore recommend that the necessary preliminary steps be taken to secure this property as a city park."

The propositions referred to are as follows :

CLEVELAND, O., March 10th, 1879.

J. M. Curtiss, Esq., Chairmn Special Park Committee :

DEAR SIR :—In compliance with the request of your committee I have agreed, and do hereby agree, to accept the sum of fifty thousand dollars (50,000) dollars, cash in hand, from the city of Cleveland for the square in the Thirteenth ward, formerly known as Pelton Park, a private park, provided the City Council desire to purchase the same for a public park.

Your request that I should agree to accept that price is complied with on my part, solely in the spirit of conciliation and compromise, believing as I do, that the property is worth about double the price named.

I will accept \$50,000, as above, for the said square at any time before the 1st day of October next, but not after that date.

Yours respectfully,

JOHN G. JENNINGS.

Also John G. Jennings, surviving Executor and Trustee of the Estate of Brewster Pelton, deceased.

CLEVELAND, O., March 10th, 1879.

J. M. Curtiss, Esq., Chairman Special Park Committee :

DEAR SIR :—In my agreement of the 10th inst. to sell to the city the Square in the Thirteenth ward, formerly known as Pelton Park, I said I would accept for the same \$50,000 cash in hand. At your request I will now modify that agreement so far that the payment of \$50,000 may be made in four equal installments, payable respectively in six, twelve, eighteen and twenty-four months, from the 1st day of July of the present year, the city paying all taxes and assessments levied or assessed upon the property from and after that date.

Yours respectfully,

JOHN G. JENNINGS.

John G. Jennings, Surviving Executor and Trustee of the Estate of Brewster Pelton, deceased.

The entire subject was therefore referred to the Board of Park Commissioners, who, in turn, reported thereon April 14th, as follows :

To the Honorable City Council :

GENTLEMEN :—The Board of Park Commissioners, to whom was referred the report of your committee on Pelton Park, beg

leave to report that we have examined the report and the facts therein set forth, and also the grounds in question.

As to the importance to the community directly interested of retaining Pelton Park as a promenade and breathing space we fully agree with your committee. The grounds are, in space and form, well calculated to make a desirable, shady strolling place for the people of a somewhat isolated section of the city, yet not far removed from the center of business.

The price asked is probably less than what would be paid if the city were to appropriate and enter into litigation for its possession.

We have but to add that the Park Fund is sufficient to make the necessary improvements and care for Pelton Park until the fund can be replenished by the next assessment, nothing more."

The report was received. At the same meeting a resolution was introduced and referred to the Committee on Finance, as follows :

"That the City Auditor be and he is hereby instructed to place in the ordinance levying taxes for 1879, seven-twentieths of a mill for the purpose of enabling the city to purchase Pelton Park (so called) in the Thirteenth ward."

The committee reported a substitute which having once been voted down, a reconsideration was agreed to, and the substitute was adopted as follows :

"*Resolved*, That in the opinion of this Council the purchase of Pelton Park should be accomplished as soon as the same can be made without prejudice to other interests of the city."

The provisions of the "Burns Law," which forbids the incurring of a municipal debt unless the money for the payment of the same is in the municipal treasury, interposed an apparently insurmountable obstacle to the consummation of the end sought, but the energy and activity of the advocates of the measure

were aroused, and no effort was spared until the purpose was accomplished.

May 19th the Council adopted the following resolution :

"That it is the intention of the City of Cleveland, and that this Council doth hereby declare it to be its intention to purchase or appropriate the block or square of land in the Thirteenth ward, commonly known as Pelton Park, as soon as the necessary funds shall be levied and collected for that purpose, said square when secured to be occupied and used as a city park."

And thereupon an act of the Legislature, so far modifying the Burns Law as to enable the city to accept the proposition of Mr. Jennings was prepared, presented to the General Assembly and passed.

June 23d the following resolution was adopted, having received the approval of the City Solicitor, Board of Improvements and Committee on Appropriations :

"That his honor Mayor Herrick be and he is hereby authorized and requested to proceed to purchase and take title to Pelton Park, so called, upon the terms and conditions embraced in the three several propositions submitted to this Council by J. G. Jennings, to-wit : At the price of fifty thousand dollars, payable in six equal semi-annual installments, without interest, as the same can be levied and collected."

The ordinance providing for the levy of the taxes of 1879, for municipal purposes in 1880, includes a levy of 5-20 of a mill, to meet the payment on the purchase.

The last act in this eventful history is announced in the following communication transmitted by his honor the Mayor to the City Council November 17th, 1879:

"To the Honorable, the City Council:

GENTLEMEN :—I have the honor to submit herewith, for your acceptance, deeds from John G. Jennings, conveying title to

the city of Cleveland of the land formerly known as Pelton Park.

These have been procured under authority of the resolution hereto attached.

To designate the name by which it shall hereafter be known seems now the only act necessary to fully establish this land as a city park.

I would therefore respectfully recommend that an ordinance be passed by your honorable body, formally designating the purposes of its use and its name."

A grand barbecue, given by the citizens of the South Side on the Fourth of July, within the park, was made the occasion for general rejoicing at the final termination of the difficulty.

The house within and the fence surrounding the park were removed, and a large number of trees were planted in the fall. During the coming season the park will be improved and beautified by the laying out of drives and walks, turfing and further tree planting.

OTHER PUBLIC PLACES.

MARIPOSA PLACE.

This tract lies in the Seventh ward, and is described on a plat of an allotment made by A. G. Lawrence, in 1856 as follows: "Mariposa Place are (is) two short streets parallel to St Clair street, and fifty feet in width, extending from Waring to Rossiter street, the north line of the first being 306 from St. Clair street, the north line of the second being 431 feet south of St. Clair street." The space is about 180 by 340 feet, but beyond the streets as above specified no dedication to public use seems to have been made. A resolution, adopted by the Council November 3d, 1874, requested the Commissioners to take charge of the tract and improve the same, but, owing to the uncertainty as to ownership, no action was taken.

A triangular tract at the junction of Broadway and Orange street, having a frontage of 142 feet on each of the streets named, and a depth of 40 feet at its base, was sought to be placed under the control of the Board of Commissioners by resolution of the Council introduced May 25th, 1875. The board reported that it had no knowledge that the land had ever been dedicated to the city.

A. EVERETT,

J. H. WADE,

J. H. SARGENT,

Board of Park Commissioners.

W. H. ECKMAN,

Secretary.

TWENTY-FOURTH
ANNUAL REPORT

OF THE
BOARD
OF

Trustees of Water Works,

TO THE
CITY COUNCIL,

TOGETHER WITH THE
REPORTS OF THE OFFICERS OF THE BOARD

For the Year 1879.

REPORT

OF

Trustees of Water Works.

To the Honorable Mayor and Council of the City of Cleveland:

GENTLEMEN :—The undersigned herewith submit the Twenty-fourth Annual Report of the Secretary, the Superintendent and Engineer, and the engineer in charge of the Pumping Works of the City Water Works Department, and respectfully ask for them your closest scrutiny.

Being so full and complete in detail and timely suggestions, we can do no better than ask a careful perusal of the same for your information as to the present condition of the department and its immediate and future needs.

We would, however, call your special attention to the increase of water consumption the past year, and the need of immediate steps being taken to enlarge the pumping capacity and main and distribution pipes, as recommended by the Superintendent and Engineer in his report.

The unprecedented and suddenly increased demand for water throughout the city the past year, and especially among the manufacturing interests, has changed the whole aspect from one year ago so materially, that what seemed adequate then, now appears to be far from it.

We then anticipated, judging from the four or five years past, that the annual increase of water consumption would not average to exceed five per cent., and the pumping capacity

would be quite sufficient for several years to come; but. with the general revival of business and employment of labor, the increase has reached nearly twenty (20) per cent. the past year, and we anticipate that the year 1880 will make equal demands upon the department.

While this is a matter of congratulation in the minds of all good citizens, it must necessarily bring greater demands upon the department, involving large outlays of money, in order to meet the emergency, so large that all of the revenue from the department will be absorbed in the necessary outlays for at least two or three years to come. and we trust that in making these outlays the department may exercise the same wise and judicious judgment as its record shows for the past.

We believe the department to be in its usual good condition. Its collections are up closer than ever before. Officers of the department unchanged and faithfully performing their duties. The details and suggestions in the Superintendent's report should not be passed unnoticed. They call for action, and your cordial co-operation is desired.

Respectfully submitted,

TRUMAN DUNHAM,

N. P. BOWLER,

S. W. SESSIONS,

Trustees of Water Works.

Cleveland. O., March 9th, 1880.

SECRETARY'S REPORT.

To the Trustees of Water Works:

GENTLEMEN :—In accordance with law I respectfully submit the following report for the year 1879 :

| | |
|---|--------------|
| The receipts for water including permits less amount refunded is | \$182,173 33 |
| The amount of net expenses and repairs is | 55,799 20 |
| <hr/> | |
| Leaving the net earnings | \$126,374 18 |

The receipts for water are in excess of the previous year, the sum of twenty-two thousand forty-seven dollars and sixty-three cents, being the largest increase of any year. This large increase, due mainly to a general revival of business, will not probably be realized in the year 1880, but the receipts may safely be estimated at one hundred and ninety thousand dollars, and the ordinary expenses and repairs at fifty-six thousand dollars. An approximate statement for 1880 may be made that

| | |
|--|--------------|
| The receipts for water will be | \$190,000 00 |
| Cash balance in city treasury may be reduced | 26,000 00 |
| <hr/> | |
| Total amount available for all purposes | \$216,000 00 |

Of this amount there will be required

| | | |
|--------------------------------------|-------------|--------------|
| For interest | \$60,000 00 | |
| For expenses and repairs | 56,000 00 | 116,000 00 |
| <hr/> | | |
| Leaving available for other purposes | | \$100,000 00 |

The receipts and disbursements for the year 1879, and balance of cash as shown by the ledger accounts, are as follows:

RECEIPTS.

| | |
|--|---------------|
| For water from assessments.. .. . | \$ 120,865 02 |
| “ “ “ meter measure.... . | 59,005 08 |
| For permits .. . | 2,502 00 |
| On Construction Account.. . . . | 420 00 |
| On Interest “ .. . | 60 67 |
| On Pipe Extension “ .. . | 1,633 73 |
| On Water Meter “ .. . | 15 25 |
| On Office and General Expense Account..... | 463 00 |
| On General Repairs Account..... | 298 58 |
| On Engine House Repairs Account..... | 576 09 |
| <hr/> | |
| Total receipts..... | \$ 185,840 60 |
| Cash in office January 1, 1879..... | 1,351 95 |
| Cash in City Treasury January 1, 1879..... | 31,159 31 |
| <hr/> | |
| | \$ 218,351 86 |

DISBURSEMENTS.

| | |
|---|---------------|
| For interest on Water Works Bonds. | \$ 50,000 00 |
| “ “ contract..... | 304 53 |
| For pipe extension .. . | 42,714 86 |
| For engine house expenses..... | 24,807 14 |
| For office and general expenses..... | 20,273 05 |
| For general repairs .. . | 7,939 53 |
| For repairs at engine house..... | 2,971 80 |
| For repairs lake tunnel crib. | 1,147 05 |
| For water rents refunded .. . | 198 75 |
| For lake crib super-structure..... | 12,780 65 |
| For final payment on new boiler account..... | 1,036 11 |
| For payment on Construction account..... | 722 22 |
| For payment on Lake Crib Protection account..... | 1,122 70 |
| For water meters .. . | 3,834 74 |
| <hr/> | |
| Total disbursements .. . | \$ 169,852 63 |
| Cash in office January 1, 1880..... | 751 91 |
| Cash in City Treasury subject to draft January 1, 1880..... | 47,747 32 |
| <hr/> | |
| | \$ 218,351 86 |

For a detailed statement of the disbursements, as certified to the City Auditor for payment, reference is made to the exhibit accompanying the report of the Superintendent and Engineer.

The items of receipts other than for water and permits are:

| | |
|--|---------------------------|
| Interest on cash item city certificate of \$12 00... .. | \$ 1 47 |
| Rent of room in Cushing Block... .. | 80 00 |
| Cleveland Rubber Works, 287 lbs old rubber, at 3 cts... .. | 8 61 |
| E. M. McGillen & Co., labor and material putting in ele- vator connection... .. | \$ 11 75 50 95 } 62 70 |
| E. M. McGillen & Co., labor... .. | 2 90 |
| C. Whittaker, labor and material putting in connection for elevator | 77 88 |
| B. P. Bower, labor and material putting in connection for elevator | |
| W. C. Scofield... .. | 90 23 |
| Interest on judgment in Court of Common Pleas... .. | 59 20 |
| Jas. Farnan, estimate for 3,156 lbs old brass, at 18 cts | 568 08 |
| Taylor & Kilpatrick, labor and material putting in connection for elevator... .. | 51 78 |
| John Varner, for three old boilers... .. | 420 00 |
| O. A. Childs, for water meter... .. | 15 25 |
| D. McClosky, labor and material putting in connection for elevator | 77 49 |
| Lake Shore Foundry, scrap iron, 16,000 lbs at \$14.00... .. | 112 00 |
| Lake Shore Foundry, scrap iron, 45,630 lbs at \$12.50... .. | 285 18 |
| Forest City House, labor and material putting in connection for elevator... .. | 46 20 |
| Geo. A. Stanley, labor and material putting in connection... .. | 8 52 |
| Woodland Avenue Cemetery, labor and material putting in con- nection... .. | 19 06 |
| Catholic Cemetery, Woodland Ave., labor and material putting in connection... .. | 13 78 |
| Cleveland Saw Mill Co., valve box, &c... .. | 12 20 |
| H. J. Reedy, labor and material for 3 connections for elevators ... | 259 29 |
| City of Erie, use of water meter... .. | 5 00 |
| Smith & Connors, 374 lbs 8 inch pipe, at 1¼ cts... .. | 5 61 |
| Rocky River R. R. Co., labor and material putting in 2 in. connect'ns Bridge St... .. | 32 97 |
| Griswold & Dunham, for pipe laying in French street... .. | 254 83 |
| C & P. R. R. Co., for fire hydrant and labor setting same... .. | 49 80 |
| C. & P. R. R. Co., repairing fire hydrant... .. | 15 50 |
| O. G. Kent, removing fire hydrant... .. | 19 12 |
| For old cement pipe sold. | 50 |
| C. C. C. & I. Ry. Co., repairing fire hydrant... .. | 4 25 |
| I. Sturtevant & Co., labor and material putting in connection for fire purposes... .. | 34 46 |
| Jewish Orphan Asylum, labor and material putting in 2 in. connec'ns | 17 31 |
| For old pipe sold from Reservoir | 12 50 |

| | |
|--|-------------|
| Smith & Connor, repairing hydrant at Union Passenger Depot | 2 50 |
| Willcox, Treadway & Co., labor and material putting in fire hydrant | 50 73 |
| Rent of rooms in Cushing Block..... | 298 00 |
| T. Manning, 5,550 lbs scrap iron..... | 88 80 |
| Hickox & Co., repairing valve | 7 50 |
| Rent of rooms in Cushing Block..... | 80 00 |
| Lake Shore Foundry, scrap iron, 21,380 at \$12.50, \$133.62; 6,910 lbs at \$15.00, \$51.82..... | 185 44 |
| Woods, Perry & Co., damage to fire hydrants..... | 12 36 |
| Village of West Cleveland, 3 feet of 8 pipe..... | 2 25 |
| Warrants on City Treasurer canceled before payment..... | 2 80 |
| | <hr/> |
| | \$ 3,468 52 |

LEDGER BALANCE JANUARY 1, 1880.

FACE OF LEDGER.

| | | |
|----------------------------|----------------|----------------|
| Construction Account | \$2,529,301 44 | |
| Interest..... | 81,984 59 | |
| Water Meters. | 14,668 17 | |
| City Treasurer..... | 47,747 32 | |
| Cash..... | 751 91 | |
| Bonds outstanding..... | | \$1,275,000 00 |
| Bonds redeemed..... | | 450,000 00 |
| Water Rent, net income .. | | 900,979 83 |
| City of Cleveland..... | | 48,473 00 |
| | <hr/> | <hr/> |
| | \$2,674,453 43 | \$2,674,453 43 |

The bonded debt of the city for Water Works purposes has been reduced during the year the sum of twenty-five thousand dollars, payment being made from the sinking fund, leaving outstanding as shown above, twelve hundred and seventy-five thousand dollars.

The abundance of money in circulation enabled consumers of lake water to pay the bills due in October more promptly and with less complaint than for some time past.

The October bills unpaid and remaining off at the close of the year amounts to \$1,220 76 ; unpaid and not turned off, \$383 60. A large portion of the last sum has since been paid.

H. C. HAWKINS,

Secretary.

March, 1st, 1880.

REPORT OF THE Superintendent and Engineer.

To the Board of Trustees of Water Works.

GENTLEMEN :—The twenty-fourth annual report of your Superintendent and Engineer is herewith respectfully submitted.

LAKE CRIB.

This structure passed through the winter without receiving any serious injury, the only damage done being the tearing of a portion of the outer planking on the north wall. On the evening of August 26th, the lamp room in the light tower took fire, it is supposed, from the explosion of the lamp used in the lighthouse, the wood work was entirely consumed, and the iron sheeting badly warped. The repairs made are temporary, but of a character to serve the purpose until such time as the structure itself is repaired permanently. During the summer wrought iron band, three feet deep and five-eighths of an inch thick, was put around the timber substructure below the water line, so that the top is just above the base of the masonry. Nothing has been done up to this time to repair the damage caused by the storm of September, 1878, and should no further disturbance of the masonry take place before the damage is repaired, only a small proportion of that now standing would have to be reset, should it be decided to restore the building to its original form. If it is decided to rebuild the materi-

now standing can be used again. The experience gained from observing the action of storms and ice during another fall and winter, will aid you in forming a better judgment as to the requirements of such a structure. The consideration of the subject will, doubtless, receive your earnest attention at an early day.

TUNNEL.

The tunnel has not required any care during the year, the flow of water has, as heretofore, been uninterrupted, and the quality of the water during the year has been good. Some of the rip rap stone thrown around the outside of the crib, had either fallen, or been washed into, one of the inlets; these were removed by Captain Breyman during the time he was engaged in fastening on the iron band, mentioned above.

BUILDINGS AND MACHINERY.

An inspection of the wood work casing of the standpipe was made during the summer, when it was found that the railing and platform at the top of the tower were in an unsafe condition; these have been removed, the wood work has been covered with tin and the whole work thoroughly painted. The winding stairway leading to the top of the tower is badly worn and should be renewed at an early day.

The joints of the iron roof of the south building have been calked with iron ore putty wherever necessary, and made water tight.

No other repairs to the buildings have been necessary during the year. After the awarding of the last contract for the season's supply of coal, the Atlantic & Great Western Railway Company extended their river bed track into the engine house grounds, thus enabling the coal contractor to deliver coal on the track inside of the grounds, from whence it is taken in small coal cars directly into the boiler rooms. During the fall a number of small leaks occurred in the pumping mains under

the lawn in the south lot, making it necessary to disturb the sodding in several places, the relaying of which, owing to the lateness of the season, cannot be done until spring. A new 30-inch check valve has been put in the pumping main, leading from the Henderson engine; at the same time this was being done a 30-inch branch pipe was put in the same line just outside of the check valve, having attached thereto a 30-inch screw valve. This work was done in anticipation of the early extension of a new pumping main, from the pumping works to the central part of the city. This office is now connected by wires with the pumping works and with the Telephone Exchange, enabling prompt and rapid communication between the two places, as well as with other patrons of the exchange.

The information contained in the report of Mr. Doty, the chief engineer, in charge of the pumping works, regarding the condition of the several engines and boilers, shows the machinery and other parts of the works, under his immediate care, to be in good order, and he is enabled to report that no serious accident has occurred to any of the machinery during the year.

RESERVOIR.

The usual repairs to the brick paving of the inner slopes of the reservoir, at and near the water line, were made during the early part of the season. The deposit of sediment was so small that it was not considered necessary to clean the basins. The grass on the south and west slopes of the embankment is not in as good condition as on the other sides; with the usual spring rains it will, no doubt, revive in due season. All the other parts of the grounds, as well as the fences and railings, are in good condition,

MAIN PIPES.

No leaks, other than the slipping of lead in the joints, have occurred in either of the pumping mains during the year; but two very serious leaks were developed in the 16-inch wrought

iron, cement lined, distributing main, the first of which was in Erie street, and appeared to be a general rupture of the pipe between Ohio and Huron streets, a distance of about 1,300 feet. Throughout this distance water appeared at nearly the same time in a number of places between these points. These leaks, appearing as they did during a very severe thunder storm, would seem to indicate that the pipe may have been injured by lightning. A similar case was noted in an Eastern city two years ago.

Cast iron pipe has been laid to take the place of the pipe thus injured. The other break occurred on the morning of the 29th of December, near the top of Franklin street hill, washing a hole in the street 20 feet deep and fifty feet long, flooding the lots and premises below between Franklin and West River streets, and destroying a large amount of household and other property. The amount of damage will probably reach \$2,500. The leak was, doubtless, caused by the gradual settlement of the hillside in which the pipe is laid. This pipe is a part of the same line laid in Erie street, and is of the same kind; it has been relaid with cast iron for a distance of 235 feet. The entire line from Columbus street to Pearl street should be relaid in the same manner at once.

DISTRIBUTING PIPES.

The length of distributing pipe laid during the year was eight miles and 743 feet, of which one mile and 152 feet was laid to take the place of abandoned pipe, leaving the net increase seven miles and 591 feet. The total length of pipe now in use of all sizes is 120 miles and 3,261 feet, nine miles and 897 feet being main pipes from sixteen to thirty-six inches diameter.

The number of stop gates added was 152, which, with the number heretofore in use, makes a total of 2,109.

Of fire hydrants there were added to those in use one year ago 91, making a total number at this date of 964, all of which are in good order. For information in detail see following tables.

SERVICE PIPES.

The number of new service pipe connections made during the year was 833, being 230 more than were made during 1878. The number of each size is as follows :

| | | | | | | | | |
|--------|---|---|---|---|---|---|---|-----|
| 4 inch | - | - | - | - | - | - | - | 8 |
| 3 " | - | - | - | - | - | - | - | 3 |
| 2½ " | - | - | - | - | - | - | - | 1 |
| 2 " | - | - | - | - | - | - | - | 7 |
| 1 " | - | - | - | - | - | - | - | 4 |
| ¾ " | - | - | - | - | - | - | - | 12 |
| ⅝ " | - | - | - | - | - | - | - | 798 |
| | | | | | | | | — |
| Total | - | - | - | - | - | - | - | 833 |

The total number of service connections made since the construction of the works and the number of each size is as follows :

| | | | | | | | | |
|--------|---|---|---|---|---|---|---|--------|
| 6 inch | - | - | - | - | - | - | - | 1 |
| 4 " | - | - | - | - | - | - | - | 38 |
| 3 " | - | - | - | - | - | - | - | 34 |
| 2½ " | - | - | - | - | - | - | - | 2 |
| 2 " | - | - | - | - | - | - | - | 69 |
| 1½ " | - | - | - | - | - | - | - | 21 |
| 1¼ " | - | - | - | - | - | - | - | 3 |
| 1 " | - | - | - | - | - | - | - | 108 |
| ¾ " | - | - | - | - | - | - | - | 384 |
| ⅝ " | - | - | - | - | - | - | - | 10,215 |
| | | | | | | | | — |
| Total | - | - | - | - | - | - | - | 10,875 |

Of this number 9,285 are in use ; the remainder are either shut off or abandoned. The increase in the number of service pipes in use is 901, being 277 more than the increase in 1878.

METERS.

The number of meters in use on the 31st day of December was 358. Of this number 67 were set during the past year. The different sizes, the number of each size and description of meter is as follows :

| | | | | | | | |
|----|---|----|------|---|--------------|--------|---------|
| 3 | - | 4 | inch | - | Worthington | Piston | Meters. |
| 19 | - | 3 | " | - | " | " | " |
| 41 | - | 2 | " | - | " | " | " |
| 42 | - | 1½ | " | - | " | " | " |
| 71 | - | 1 | " | - | " | " | " |
| 77 | - | ¾ | " | - | " | " | " |
| 2 | - | 3 | " | - | Ball & Fitts | Rotary | " |
| 1 | - | ¾ | " | - | " | " | " |
| 4 | - | 1½ | " | - | " | Piston | " |
| 44 | - | 1 | " | - | " | " | " |
| 54 | - | ¾ | " | - | " | " | " |

Total, 358

There are also 31 hydraulic elevators, to each one of which is attached an indicator that records the quantity of water used. The village of West Cleveland, which is supplied from these works, owns an 8 inch meter, through which the water passes to that corporation. This meter is not counted in the above list, but the quantity of water passing through it is included in the quantity of water measured, which for the year amounted to 470,913,872 gallons.

DISTRIBUTION.

During the year 3,455,271,981 gallons of water were pumped, being an increase over the quantity pumped in 1878 of \$562,325,158 gallons, or a daily increase in consumption over the preceding year of 1,540,616 gallons, equal to an increase

for the year of 19.43 per cent., the increase for 1878 being only 2.57 per cent. It will be seen by referring to the following tables that the increase for the past year is greater than for any year since 1872. During the hot summer weather the maximum quantity pumped through a portion of each day frequently reached a rate equal to 16,000,000 gallons in 24 hours, a quantity equal to four-sevenths of the entire pumping capacity of the machinery. Assuming that the increase during the coming year will equal that of 1879, the maximum quantity that will be required during a portion of the season will reach a rate of nearly 20,000,000 gallons in 24 hours. It is, therefore, not unlikely that during the coming year the demand may reach five-sevenths of the entire capacity of the works, leaving a margin far too small under a direct supply system, such as ours now is. With a large storage reservoir, the capacity of the machinery need but be little in excess of the average demand, but, under a system like ours, the power in reserve should be nearly, if not quite, equal to that in use. You will, therefore, see the necessity of taking immediate steps to procure additional pumping machinery. Anticipating early action on your part, plans have been made for a new boiler house north of the old pumping house, the proposition being to use the present boiler rooms of the old house for the new engines. By this arrangement all the engines on the north lot will be in one building and the boilers in a building in the rear. The estimated cost of this enlargement, including new boiler house and chimney, three new boilers, one ten million gallon pumping engine, aqueduct and pump well, and new 30 inch pumping main from the engine to the central part of the city is \$250,000. This work need not be all completed during the coming year, but should all be commenced. The new pumping main, however, should be laid and connected with the north engine in the new pumping house as early as possible during the present year, so that both engines in the south building

may be run at the same time and deliver water through separate pipes.

The increased demand for water has been so rapid and unexpected that only a short time can be allowed in which to make the enlargement.

The cost of pumping each million gallons of water 100 feet high, during the past year, was \$5 00; in 1878 the cost was \$5 49, while for 1877 the cost of doing the same work was \$6 02. This cost includes every expenditure, of whatever nature made at the pumping works during the year, and the showing for 1879 is believed to be, and is so far as can be ascertained from any reports received at this office, the lowest in the country. The increase in the use of water as a motive power for elevators and other light machinery makes it necessary to increase the size of pipes in the business sections of the city. Last year an 8 inch pipe was laid in a portion of Water street, which, during the coming year, should be extended from Superior street to Lake street, to accommodate those persons wishing to place elevators in their blocks, as well as to add to the power of those already in use.

An 8 inch pipe should also be laid in River street, from Superior street to St. Clair street, and from Maine street to Front street. This pipe is necessary to accommodate the increasing demand for water from the railroads and manufactories in the district supplied by the small pipe now in use. With a general revival of business, the demand for water pipe to be laid during the coming year will probably equal, if it does not exceed, that of last year.

The surplus funds of the department, available for extension or enlargement, are estimated by the Secretary to be about \$100,000, which sum is very near the estimated cost of the main pipe referred to above. Should any distributing pipe be laid, it will be necessary to make application to the City Council

for funds with which to make up the enlargement contemplated. The necessity for this work has been of sudden growth, and must be provided for without delay.

Respectfully submitted,

JOHN WHITELOW,

Superintendent and Engineer.

Cleveland, February 18th, 1880.

REPORT OF THE **Engineer in Charge of the Pumping Works.**

To the Board of Trustees of Water Works:

GENTLEMEN :—At the close of 1878 the work of putting in the last two of the four marine boilers was not quite completed. This work was continued with the utmost diligence until February 6th, when the boilers were ready for service. Since that date all the boilers in the south building have been constantly ready for use, and at this time all the boilers at the works are in good working order. April 1st we commenced removing the old boilers from the west boiler room of the north building, as recommended in my report of 1878, to make room for the boilers taken from the south building. Subsequent examination proved that the change was made none too soon, as twenty-two years of constant use had rendered them unfit for longer service. The setting of these boilers was completed May 20th. In connection with this work it was found necessary to repair and put in order all the stop valves, expansion joints and pipes connecting the boilers with each other, and also connecting them with the engines, as they all showed the effect of long service. It was also thought best to adopt a new steam pipe system, in order to be better able to meet the emergencies which are liable to occur with our present water supply system. The new arrangement makes it possible to run either engine with either battery of boilers.

Should the engine in operation become disabled we are now prepared to start the other immediately, without the delay

heretofore necessary in firing up the other battery of boilers, a very complete and satisfactory arrangement. No change has been made in the east battery of Cornish boilers, but with the new arrangement of steam pipes we are not very largely dependent upon them, excepting when necessary to run both engines.

All the steam pipe and stop valves connecting the new Cornish boilers with the engines have been covered with a non-conducting cement or plaster, which reduces the loss from radiation and condensation to a mere nominal quantity. The other three boilers removed from the south building still remain in the north side yard, and plans are maturing for putting them into service, which will doubtless be brought to your notice by the Superintendent at an early day. No extensive repairs have been necessary upon any of the engines or pumps since my last report, and at this time they are all in good working order.

Amount of repairs upon each engine for 1879 :

| | | | |
|---------------------------|---|---|----------|
| Worthington Duplex Engine | - | - | \$133 33 |
| Cuyahoga | " | - | 41 79 |
| East Cornish | " | - | 29 88 |
| West Cornish | " | - | 4 20 |

This statement embraces only bills paid out. Much other work has been done at the works with our own help, the expense of which will appear in the general running expense account of the Secretary.

GENERAL STATEMENT.

No accident of any moment has occurred since my last report. This very desirable state of affairs has been largely contributed to by the faithful services of the employes at the works, and it is a very pleasant duty for me to bring this fact to your notice. In this report no special reference is necessary, as all have diligently tried to do their duty.

NEW PUMPING MACHINERY.

The unparalleled increase in consumption of water (as will be seen by referring to the annexed tables) has forced upon us the fact that steps should be immediately taken to increase the pumping capacity of the works.

When the present circumstances are carefully considered, you will be able to see, I think, the force of this suggestion. Our water supply system has changed from the reservoir or storage system, to the direct supply system, in other words, we are now obliged to pump the water as it is used, and you will at once see the necessity of being supplied with machinery which has sufficient capacity to meet the demands incident to this peculiar system. We are now forced to pump during 15 hours of the day, in certain seasons of the year, at the rate of 16,000,000 gallons in 24 hours, with machinery in use only calculated to pump 14,000,000 gallons in that time. It is plain therefore that we may not be able at all times to give the city a satisfactory pressure.

I have only attempted here to give you some idea of the necessities which prompted me to call your attention to this fast approaching demand, and would respectfully refer you to the report of the Superintendent for further information upon this subject.

A comprehensive tabular statement of the performance of each engine is herewith annexed, to which your attention is invited.

Most respectfully submitted,

R. DOTY,

Engineer in charge of Pumping Works.

TABULAR STATEMENTS.

The following pages contain tabular statements showing the work of engines, distribution of water, extension and laying of pipes, location and number of stop-gates and hydrants set, abstract of expenditures, &c.

WORTHINGTON DUPLEX ENGINE RECORD FOR 1879.

| MONTH. | DAYS. | PUMPING. | | COAL CONSUMED. | | Total | GALLONS OF WATER PUMPED. | HEIGHT IN FEET AND DECIMALS. | DUTY |
|----------------------|-------|----------|----------|----------------|-------------------|-----------|--------------------------------|------------------------------------|------------|
| | | Hours. | Minutes. | Strokes. | Raising Steam. | Pumping. | | | |
| January..... | 31 | 743 | 10 | 430,924 | 2,400 | 769,400 | 267 172,890 | 158.082 | 45,903,160 |
| February..... | 28 | 689 | 45 | 404,462 | 5,200 | 738,000 | 250,768,440 | 158.184 | 41,569,778 |
| March..... | 31 | 752 | 20 | 425,820 | 5,000 | 805,600 | 284,008,400 | 157.985 | 43,035,761 |
| April..... | 8 | 170 | ..... | 83,123 | ..... | 147,500 | 51,536,200 | 157.437 | 46,013,989 |
| May..... | 17 | 392 | ..... | 219,138 | 3,000 | 393,000 | 135,865,560 | 157.640 | 45,241,297 |
| June..... | 29 | 673 | 45 | 392,168 | ..... | 652,400 | 243,144,160 | 157.471 | 49,091,687 |
| July..... | 30 | 691 | 40 | 431,660 | 3,600 | 733,300 | 267,639,200 | 157.711 | 47,911,982 |
| August..... | 30 | 686 | 55 | 407,216 | 2,000 | 727,100 | 252,473,920 | 157.928 | 45,745,240 |
| September..... | 30 | 718 | 50 | 402,371 | 3,000 | 742,100 | 249,470,080 | 158.072 | 44,270,647 |
| October..... | 31 | 744 | ..... | 421,852 | 5,000 | 756,600 | 261,380,840 | 158.382 | 45,472,356 |
| November..... | 30 | 720 | ..... | 391,305 | 3,300 | 755,600 | 242,609,100 | 158.824 | 42,471,347 |
| December..... | 28 | 625 | ..... | 357,952 | ..... | 696,150 | 221,980,240 | 158.637 | 42,303,314 |
| Totals and Averages. | 323 | 7,557 | 25 | 4,367,721 | 32,500 | 7,971,750 | 2,707,987,080 | 158.024 | 42,683,359 |

HENDERSON DUPLEX ENGINE RECORD FOR 1879.

| MONTHS. | DAYS. | PUMPING. | | COAL CONSUMED. | | GALLONS OF WATER PUMPED. | HEIGHT IN FEET AND DECIMALS. | DUTY. |
|----------------------|-------|----------|----------|----------------|-------------------|--------------------------------|------------------------------------|------------|
| | | Hours. | Minutes. | Stroke. | Raising Steam. | Pumping. | Total. | |
| February | 3 | 30 | 50 | 19,104 | ..... | 50,500 | 50,500 | 28,078,346 |
| April | 23 | 541 | 15 | 340,292 | 2,600 | 645,100 | 647,700 | 37,382,208 |
| May | 15 | 352 | ..... | 241,280 | ..... | 463,600 | 463,600 | 37,344,704 |
| June | 4 | 46 | 15 | 28,338 | 3,200 | 55,600 | 58,800 | 35,105,528 |
| July | 4 | 51 | 15 | 36,443 | 800 | 77,400 | 78,200 | 32,875,806 |
| August | 5 | 59 | 05 | 38,317 | ..... | 145,500 | 145,500 | 18,575,783 |
| December | 7 | 118 | 55 | 74,298 | 6,100 | 189,094 | 195,194 | 25,723,266 |
| Totals and Averages. | 61 | 1,199 | 35 | 778,052 | 12,700 | 1,622,794 | 1,639,494 | 33,737,988 |

CORNISH ENGINE RECORD FOR 1879.
WEST ENGINE.

| MONTHS. | Days. | PUMPING. | | COAL CONSUMED. | | GALLONS OF WATER PUMPED. | HEIGHT IN FEET AND DECIMALS. | DUTY. |
|-----------------------|-------|----------|----------|----------------|-------------------|--------------------------------|------------------------------------|------------|
| | | Hours. | Minutes. | Strokes. | Raising Steam. | Pumping. | Total. | |
| February | | | | | 12,200 | | 12,200 | |
| March | | 4 | 15 | 1,800 | 8,400 | 2,000 | 10,400 | 7,375,831 |
| May | 4 | 43 | 35 | 23,525 | 4,800 | 15,800 | 20,600 | 48,456,079 |
| June | 16 | 129 | 50 | 68,225 | 24,400 | 62,200 | 86,600 | 33,332,235 |
| July | 23 | 219 | 50 | 123,875 | 24,800 | 113,400 | 138,200 | 37,990,661 |
| August | 13 | 118 | 15 | 58,475 | 16,600 | 56,800 | 73,400 | 33,794,025 |
| October | 25 | 110 | 15 | 95,450 | 27,600 | 93,800 | 121,400 | 33,371,757 |
| November | 7 | 53 | 10 | 23,775 | 8,200 | 30,800 | 39,000 | 25,984,863 |
| December | 26 | 229 | | 106,425 | 37,400 | 128,200 | 160,600 | 27,971,184 |
| Totals and averages.. | 114 | 908 | 10 | 500,550 | 164,400 | 498,000 | 662,400 | 32,099,585 |

CORNISH ENGINE RECORD FOR 1879—Continued.
EAST ENGINE.

| MONTHS. | Days. | PUMPING. | | | COAL CONSUMED. | | | GALLONS OF WATER PUMPED. | HEIGHT IN FEET AND DECIMALS. | DUTY. |
|-----------------------|-------|----------|----------|----------|----------------|----------|---------|--------------------------|------------------------------|------------|
| | | Hours. | Minutes. | Strokes. | Raising Steam. | Pumping. | Total. | | | |
| January..... | 25 | 394 | 35 | 199,700 | 11,200 | 191,200 | 202,400 | 64,103,700 | 158.043 | 40,535,005 |
| February..... | 14 | 110 | 25 | 61,725 | 11,000 | 59,600 | 70,600 | 19,813,725 | 158.440 | 87,185,319 |
| May | 12 | 93 | ..... | 48,600 | 8,800 | 47,000 | 55,800 | 15,600,600 | 157.909 | 38,965,986 |
| August. | 10 | 96 | 50 | 52,400 | 12,400 | 49,400 | 61,800 | 16,820,400 | 158.091 | 35,983,749 |
| September | 23 | 200 | 10 | 92,425 | 27,000 | 90,000 | 117,000 | 29,668 425 | 158.268 | 33,562,355 |
| November... .. | 17 | 130 | 10 | 62,975 | 20,400 | 69,600 | 90,000 | 20,214,975 | 158.990 | 29,845,433 |
| Totals and averages.. | 101 | 1625 | 10 | 517,825 | 90,800 | 506,800 | 597,600 | 166,221,825 | 158.274 | 39,816,204 |

CORNISH ENGINE RECORD FOR 1879—Continued.

BOTH ENGINES.

| MONTHS. | DAYS. | PUMPING. | | | COAL CONSUMED. | | | GALLONS OF WATER PUMPED. | HEIGHT IN FEET AND DECIMALS. | DUTY. |
|----------------------|-------|----------|----------|-----------|-------------------|-----------|-----------|--------------------------------|------------------------------------|------------|
| | | Hours. | Minutes. | Strokes. | Raising Steam. | Pumping. | Total. | | | |
| West Engine..... | 114 | 908 | 10 | 500,550 | 164,400 | 498,000 | 662,400 | 160,675,550 | 158 240 | 32,089,585 |
| East Engine..... | 101 | 1,025 | 10 | 517,325 | 90,800 | 506,800 | 597,600 | 163,221,825 | 158. 274 | 33,816,204 |
| Totals and Averages. | 215 | 1,933 | 20 | 1,018,875 | 255,200 | 1,004,800 | 1,260,000 | 323,898,375 | 158. 257 | 34,457,894 |

ANNUAL REPORT OF TOTALS AND AVERAGES FOR BOTH CORNISH ENGINES FOR EACH YEAR SINCE
THE CONSTRUCTION OF THE WORKS.

| YEARS. | PUMPING. | | | COAL CONSUMED. | | | GALLONS OF WATER PUMPED. | AVERAGE HEIGHT IN FEET AND DECIMALS. | DUTY. |
|-----------|----------|---------|-----------|----------------|-----------|-----------|--------------------------|--------------------------------------|------------|
| | Hours | Minutes | Strokes. | Raising Steam. | Pumping. | Total. | | | |
| | | | | | | | | | |
| 1857..... | 1206 | 25 | 399,894 | 226,200 | 407,325 | 633,525 | 127,282,285 | 158.000 | ..... |
| 1858..... | 1454 | 55 | 446,724 | 232,050 | 430,225 | 662,275 | 142,155,434 | 156.533 | 31,435,325 |
| 1859..... | 1413 | 00 | 623,775 | 233,050 | 549,600 | 782,650 | 198,234,090 | 155.927 | 35,697,332 |
| 1860..... | 1811 | 05 | 818,303 | 298,750 | 707,950 | 766,700 | 280,220,354 | 156.466 | 35,206,903 |
| 1861..... | 2107 | 35 | 1,013,129 | 255,600 | 854,150 | 1,118,750 | 322,175,022 | 156.432 | 37,548,099 |
| 1862..... | 2347 | 35 | 1,162,494 | 276,846 | 1,115,127 | 1,391,178 | 399,673,092 | 156.357 | 34,720,024 |
| 1863..... | 2560 | 30 | 1,310,875 | 281,903 | 1,169,418 | 1,551,321 | 420,770,875 | 156.693 | 35,535,438 |
| 1864..... | 2848 | 10 | 1,483,225 | 274,744 | 1,445,568 | 1,720,392 | 476,114,225 | 157.313 | 36,410,146 |
| 1865..... | 2971 | 40 | 1,611,405 | 296,950 | 1,579,559 | 1,866,500 | 517,261,005 | 158.017 | 36,621,770 |
| 1866..... | 3321 | 35 | 1,839,320 | 276,800 | 1,925,400 | 2,202,300 | 587,372,220 | 157.731 | 35,304,587 |
| 1867..... | 3870 | 10 | 2,169,375 | 200,200 | 2,162,400 | 2,432,600 | 696,369,375 | 157.439 | 37,685,498 |
| 1868..... | 4503 | 13 | 2,394,975 | 198,100 | 2,078,600 | 2,276,700 | 768,793,975 | 157.822 | 44,364,421 |

ANNUAL REPORT OF CORNISH ENGINES—(Continued.)

| YEARS. | PUMPING. | | | COAL CONSUMED. | | | GALLONS OF WATER PUMPED. | AVERAGE HEIGHT IN FEET AND DECIMALS. | DUTY. |
|-----------|----------|----------|-----------|----------------|-----------|-----------|--------------------------|--------------------------------------|------------|
| | Strokes. | | | Raising Steam. | PUMPING. | Total. | | | |
| | Hours. | Minutes. | | | | | | | |
| 1869..... | 5673 | 00 | 2,800,425 | 70,000 | 2,585,000 | 2,655,000 | 898,936,455 | 157.509 | 44,597,444 |
| 1870..... | 6852 | 20 | 3,508,500 | 49,000 | 3,388,200 | 3,437,200 | 1,126,228,500 | 156.970 | 43,010,620 |
| 1871..... | 8648 | 35 | 4,260,500 | 63,200 | 4,332,400 | 4,395,600 | 1,367,621,100 | 157.781 | 41,108,940 |
| 1872..... | 10562 | 57 | 5,253,495 | 45,200 | 5,420,800 | 5,476,000 | 1,686,370,805 | 158.377 | 40,788,146 |
| 1873..... | 12868 | 50 | 5,824,825 | 13,600 | 6,122,300 | 6,135,900 | 1,869,768,835 | 157.886 | 40,031,983 |
| 1874..... | 11083 | 05 | 5,163,325 | 37,400 | 5,379,400 | 5,416,800 | 1,658,460,090 | 157.400 | 40,080,999 |
| 1875..... | 651 | 07 | 21,415 | 143,500 | 389,585 | 483,085 | 103,228,048 | 158.180 | 27,775,460 |
| 1876..... | 3019 | 40 | 1,362,428 | 128,394 | 1,303,400 | 1,521,794 | 437,720,867 | 158.662 | 33,120,599 |
| 1877..... | 630 | 55 | 815,635 | 122,000 | 334,600 | 456,600 | 101,372,466 | 158.318 | 27,925,975 |
| 1878..... | 965 | 30 | 447,660 | 190,000 | 441,800 | 631,300 | 143,708,490 | 157.822 | 42,842,578 |
| 1879..... | 1933 | 20 | 1,018,375 | 255,200 | 1,004,800 | 1,280,000 | 328,898,375 | 158.257 | 34,457,894 |

SCHEDULE SHOWING THE DISTRIBUTION OF WATER FOR EACH MONTH AND DAY IN THE YEAR 1879.

| MONTHS. | GALLONS OF WATER PUMPED. | | | GALLONS DISTRIBUTED. | | | |
|---------------------------|--------------------------|--------------------------|----------------------------|----------------------|------------------|--------------------------|------------------------|
| | Cornish Engine. | Henderson Duplex Engines | Worthington Duplex Engines | Per Month. | Average per day. | Each Inhabitant per day. | Each Consumer per day. |
| January | 64,103,700 | ..... | 257,172,880 | 331,276,580 | 10,686,341 | 70.70 | 164.38 |
| February | 19,813,725 | 10,773,973 | 250,768,440 | 281,354,138 | 10,048,362 | 66.54 | 154.56 |
| March | 577,800 | ..... | 234,008,400 | 234,586,200 | 8,535,038 | 56.52 | 131.29 |
| April ..... | ..... | 183,447,941 | 51,536,260 | 234,984,201 | 7,832,806 | 51.87 | 120.48 |
| May | 23,152,125 | 130,928,916 | 135,865,560 | 289,946,601 | 9,353,116 | 61.94 | 143.87 |
| June | 21,900,225 | 15,238,124 | 243,144,160 | 280,382,519 | 9,342,750 | 61.87 | 143.71 |
| July | 39,763,875 | 19,544,527 | 257,629,200 | 326,937,602 | 10,546,374 | 69.84 | 162.22 |
| August | 35,790,875 | 20,923,913 | 252,473,920 | 308,457,708 | 9,950,248 | 65.89 | 153.05 |
| September | 27,668,425 | ..... | 249,470,020 | 279,138,445 | 9,304,614 | 61.62 | 143.12 |
| October | 30,639,450 | ..... | 261,380,840 | 292,020,290 | 9,420,009 | 62.38 | 144.90 |
| November | 27,846,750 | ..... | 242,609,100 | 270,455,850 | 9,015,195 | 59.70 | 128.67 |
| December | 33,841,425 | 46,080,182 | 221,930,240 | 295,831,847 | 9,542,962 | 63.19 | 146.79 |
| Totals and averages | 323,893,375 | 420,593,586 | 2,707,987,020 | 3,455,271,981 | 9,466,493 | 62.69 | 145.61 |

**SCHEDULE SHOWING THE TOTAL AND AVERAGE QUANTITIES OF
WATER PUMPED EACH YEAR SINCE THE CONSTRUCTION
OF THE WORKS.**

| YEARS. | GALLONS DISTRIBUTED. | | | | Per Cent. of Increase. |
|-----------|----------------------|-----------|---------------------------------|------------------------------|---------------------------|
| | Per Year. | Per Day | Each In- habitant Per Day | Each Consumer Per Day. | |
| 1857..... | 127,262,265 | 348,664 | 7 75 | 110.68 | ... |
| 1858..... | 142,155,434 | 398,467 | 8.37 | 93.44 | 11.70 |
| 1859..... | 198,284,090 | 513,107 | 11.31 | 91.27 | 39.45 |
| 1860..... | 260,220,354 | 710,984 | 14 11 | 101.57 | 31.87 |
| 1861..... | 322,175,022 | 881,599 | 16.32 | 114.50 | 23.81 |
| 1862..... | 369,673,092 | 1,012,794 | 19.47 | 120.57 | 14.74 |
| 1863..... | 420,790,875 | 1,152,875 | 20.97 | 117.54 | 12.83 |
| 1864..... | 476,114,225 | 1,300,858 | 21.68 | 123.89 | 12.14 |
| 1865..... | 517,261,005 | 1,417,153 | 21.80 | 122.70 | 8.64 |
| 1866..... | 587,372,220 | 1,609,239 | 22.35 | 124.26 | 13.55 |
| 1867..... | 696,369,375 | 1,907,861 | 23.85 | 115.98 | 18.55 |
| 1868..... | 768,786,975 | 2,106,265 | 24.77 | 116.08 | 10.40 |
| 1869..... | 898,936,425 | 2,462,839 | 27.36 | 120.20 | 16.92 |
| 1870..... | 1,126,228,500 | 3,085,558 | 30.86 | 113.20 | 25.28 |
| 1871..... | 1,367,621,100 | 3,746,907 | 35.68 | 124.90 | 21.43 |
| 1872..... | 1,686,370,896 | 4,607,571 | 40.07 | 131.64 | 22.67 |
| 1873..... | 1,869,768,835 | 5,095,230 | 43.06 | 137.71 | 10.85 |
| 1874..... | 2,050,252,910 | 5,625,150 | 45.36 | 141.10 | 9.65 |
| 1875..... | 2,216,775,816 | 6,073,358 | 44.00 | 136.65 | 8.12 |
| 1876..... | 2,399,225,403 | 6,573,220 | 49.22 | 131.28 | 8.23 |
| 1877..... | 2,820,326,074 | 7,726,920 | 55.91 | 142.24 | 17.55 |
| 1878..... | 2,892,946,823 | 7,925,882 | 51.13 | 135.05 | 2.57 |
| 1879..... | 3,455,271,981 | 9,466,498 | 62.69 | 145.61 | 19.43 |

SCHEDULE SHOWING THE EXTENSION OF PIPE IN 1879.

| SIDE. | SIZE. | STREET. | BETWEEN WHAT POINTS. | LAID. | TOTAL. | REMARKS. |
|------------|-------|----------------|---|-------|--------|----------|
| West..... | 16 | Erie..... | From T. in Prospect to N. L. Ohio..... | 1309 | 1309 | Relaid. |
| West..... | 8 | Bolton..... | From S. L. Euclid south..... | 6 | | |
| East..... | 8 | Custead..... | From 12 ft. N of Euclid north..... | 16 | | |
| South..... | 8 | Clark..... | From W. L. Burton to cross in Ash..... | 1594 | | |
| West..... | 8 | Doan..... | From S. L. Euclid south..... | 5 | | |
| North..... | 8 | Lorain..... | From W L. Waverly to Gordon..... | 1332 | | |
| East..... | 8 | Main..... | From Tee in Center north..... | 42 | | Relaid |
| North..... | 8 | Payne..... | From Cross in Case to Cross in McHenry..... | 712 | | |
| North..... | 8 | Payne..... | From Cross in Sterling to W. L. Siegel..... | 341 | | |
| East..... | 8 | Water..... | From N. L. St. Clair to Frankfort..... | 513 | 4561 | |
| South..... | 6 | Bridge..... | E. L. Waverly west..... | 230 | | |
| East..... | 6 | Birch..... | Franklin to Detroit..... | 714 | | |
| East..... | 6 | Belmont..... | Cross in Orange to Cistern connection at Croton..... | 557 | | |
| West..... | 6 | Courtland..... | Cross in Bridge south..... | 33 | | |
| North..... | 6 | Carter..... | 21 ft. E. of E. angle of abut. of bridge over Carter W. | 354 | | |

SCHEDULE SHOWING THE EXTENSION OF PIPE IN 1879—Continued.

| SIDE. | SIZE | STREETS. | BETWEEN WHAT POINTS. | FEET LAID. | TOTAL. | REMARKS. |
|-------------|------|---------------------|---|------------|--------|-----------------|
| North..... | 6 | Chatham | Cross in Willet to Tee in Mechanic..... | 517 | | |
| North..... | 6 | Chatham | Cross in Penn to Cross in York..... | 1099 | | |
| South..... | 6 | Carter..... | End of pipe near Hotchkiss & Gaylord's E to hydrant | 8 | | |
| North..... | 6 | Chestnut..... | Cross in Muirson to Tee in Dodge..... | 1409 | | |
| South..... | 6 | Canal.... | Across Seneca..... | 80 | | Relaid. |
| West | 6 | Central Place | Tee in Ohio to hydrant at Eagle..... | 449 | | Relaid. |
| South..... | 6 | Curtiss..... | Willson to Tee in Olive. | 641 | | |
| North | 6 | Chestnut..... | Erie to Cross in Muirson | 684 | | Relaid. |
| North.... | 6 | Ensign | From Tee in Willson east..... | 404 | | |
| East..... | 6 | Forest | Tee in Cedar to N. L. Garden..... | 995 | | |
| East | 6 | Florence..... | Tee in Quincy south..... | 413 | | |
| East. | 6 | Grant..... | Tee in Cedar to N. L. Garden..... | 1125 | | |
| West..... | 6 | Harmon.... | S. L. Garden to Cross in Judd..... | 258 | | |
| East..... | 6 | Harper..... | Tee in Soovill to S. L. Garden..... | 1091 | | |
| South..... | 6 | Hamilton..... | Tee in Alabama to Cross in Sterling | 696 | | |
| South | 6 | King.... | Cross in Lawrence to Tee in Wasson..... | 1005 | | 30 feet relaid. |

SCHEDULE SHOWING THE EXTENSION OF PIPE IN 1879—Continued.

| SIDE. | SIZE. | STREETS. | BETWEEN WHAT POINTS. | FEET LAID. | TOTAL. |
|------------|-------|----------------|---|------------|---------|
| South..... | 6 | Lexington..... | E. L. Willson east | 1198 | |
| East..... | 6 | Lyman .. | From hydrant at N. L. Payne, south. | 653 | |
| East..... | 6 | Lyman..... | Cross in Superior to hydrant at Payne. | 1444 | |
| East..... | 6 | Laurel..... | S. L. Gaiden to N. L. Scovill..... | 877 | |
| East..... | 6 | McHenry..... | Cross in Superior to Cross in Payne..... | 1522 | |
| East..... | 6 | Merwin..... | Cross in Center to hydrant at German..... | 509 | Relaid. |
| East..... | 6 | Mechanic..... | S. L. Lorain to Tee in Chatham..... | 663 | |
| East.. .. | 6 | McLean .. | S. L. Lorain to Tee in Monroe..... | 1158 | |
| West..... | 6 | Merchant..... | N. L. Fairfield north to Connect pipes | 542 | |
| East..... | 6 | Muirson .. | Cross in Hamilton south..... | 53 | Relaid. |
| South. .. | 6 | Ohio..... | Tee in Central Place to T in Harrison street..... | 51 | Relaid. |
| East..... | 6 | Putnam .. | S. L. Garden south..... | 8 | |
| West..... | 6 | Rhodes .. | From 35 feet N. of Walton north..... | 126 | |
| East..... | 6 | Slater..... | Tee in Griswold south .. | 427 | |
| East..... | 6 | Sterling..... | Cross in Cedar to Garden. | 718 | |
| East..... | 6 | Sterling..... | S. L. St. Clair to Cross in Superior..... | 835 | |
| East..... | 6 | Sterling..... | Cross in Superior to Cross in Payne... .. | 1093 | |

SCHEDULE SHOWING THE EXTENSION OF PIPE IN 1879—Continued.

| SIDE. | SIZE. | STREET. | BETWEEN WHAT POINTS. | FEET. | TOTAL. | REMARKS. |
|-------------|-------|------------------|--|-------|--------|---------------|
| East..... | 6 | Sterling..... | S. L. Scovill to N. L. Woodland. | 1027 | | |
| East..... | 6 | Seelye | Tee in Woodland to 16 ft. S. of N. L. Julia..... | 1973 | | |
| North..... | 6 | Scovill..... | Tee in Willson to W. L. Slater | 989 | | |
| East. | 6 | Seneca..... | Cross in Michigan to Tee in Canal..... | 427 | | Relaid. |
| East..... | 6 | St. Paul..... | N. L. Detroit North..... | 277 | | |
| East..... | 6 | Spring | Tee in St. Clair N. to connect pipes | 645 | | |
| East..... | 6 | Willett..... | N. L. Chatham to Tee in Chatham..... | 26 | | |
| | 6 | Water... .. | Between 6 and 8 pipes near N. L. Frankfort..... | 18 | | |
| East..... | 6 | Willcutt..... | From 11 ft S. of Woodland to N. L. Beaver..... | 726 | | |
| South | 6 | White..... | From 340 ft. E. of Willson to 15 ft. E. of W. L. Baker.. | 641 | 31346 | Total 6 laid. |
| West..... | 4 | Bond..... | N. L. Lake to hydrant at Summit..... | 264 | | |
| North..... | 4 | Carroll..... | W. L. Pearl to E. L. York..... | 529 | | Relaid. |
| South . | 4 | Cherry..... | E. L. Perry to Tee in Liberal..... | 674 | | |
| South..... | 4 | French..... | Tee in Columbus to Tee in Winter..... | 230 | | |
| South | 4 | Griswold..... | E. L. Kinsman to Cross in Slater..... | 663 | | |
| East..... | 4 | Huntington | Tee in Euclid to 645 N. of Euclid..... | 684 | | |
| West..... | 4 | Harmon..... | Tee in Scovill to Cross in Judd..... | 249 | | |

SCHEDULE SHOWING THE EXTENSION OF PIPE IN 1879—Continued.

| SIDE. | SIZE. | STREET. | BETWEEN WHAT POINTS. | FEET. | TOTAL. | REMARKS. |
|------------|-------|--------------------------|--|-------|--------|----------|
| North..... | 4 | Hamilton..... | E. L. Erie to W. L. Canfield..... | 1160 | | Relaid. |
| South..... | 4 | Judd..... | Cross in Harmon to W. L. Harmon..... | 19 | | |
| North..... | 4 | Race..... | Tee in Central Place to W. L. Central Place..... | 39 | | Relaid. |
| | 4 | 88 Hydrant Connections.. | | 1056 | 5667 | |
| East..... | 8 | North Place..... | N. L. Garden North..... | 10 | 10 | |
| | | | | | 42,983 | |

SCHEDULE OF PIPE TAKEN UP AND RELAID IN 1879.

| DIAMETER OF PIPE TAKEN UP. | DIAMETER OF PIPE RELAID | STREET. | BETWEEN WHAT POINTS. | FEET | TOTAL. | REMARKS. |
|----------------------------|-------------------------|------------------|--|------|--------|----------|
| C. 16..... | 16 | Erie... | Tee in Prospect to N. L. Ohio... | 1399 | | |
| C. 4..... | 8 | Main... | Tee in Center north... | 42 | | |
| C. 4..... | 6 | Canal... | Across Seneca... | 80 | | |
| C. 4..... | 6 | Central Place... | Tee in Ohio to hydrant at Eagle... | 449 | | |
| C. 4..... | 6 | Chestnut..... | E. L. Erie to Cross in Muirson... | 664 | | |
| C. 4..... | 4 | Carroll..... | Pearl to York..... | 529 | | |
| C. 4..... | 4 | Hamilton..... | E. L. Erie to W. L. Canfield..... | 1160 | | |
| I. 4..... | 6 | King..... | Tee in Lawrence to E. L. Lawrence..... | 30 | | |
| I. 4..... | 6 | Merwin..... | Cross in Center to hydrant at German... | 509 | | |
| C. 4..... | 6 | Muirson..... | Cross in Hamilton south..... | 53 | | |
| I. 4..... | 6 | Ohio..... | Tee in Central Place to Tee in Harrison..... | 51 | | |
| C. 4..... | 4 | Race..... | Tee in Central Place to W. L. Central Place... | 39 | | |
| C. 4..... | 6 | Seneca..... | Cross in Michigan to Tee in Central Place..... | 427 | 5423 | |

TOTAL FEET OF PIPE LAID TO DECEMBER 31, 1879.

| Diameter of pipe in inches | 36 | 30 | 24 | 20 | 16 | 12 | 10 | 8 | 6 | 4 | 3 |
|----------------------------|-------|--------|-------|--------|--------|-------|--------|--------|---------|---------|--------|
| Laid previous to 1879 | 2,000 | 13,079 | 9,980 | 10,844 | 12,514 | 8,440 | 68,078 | 86,681 | 242,154 | 180,829 | 14,711 |
| Laid in 1879 | | | | | 1,399 | | | 4,561 | 31,346 | 5,667 | 10 |
| Total | 2,000 | 13,079 | 9,980 | 10,844 | 13,913 | 8,440 | 68,078 | 91,242 | 273,500 | 186,496 | 14,721 |
| Taken up in 1879 | | | | | 1,399 | | | | | 4,083 | |
| Total in use | 2,000 | 13,079 | 9,980 | 10,845 | 12,514 | 8,440 | 68,078 | 91,242 | 273,500 | 182,463 | 14,721 |

48,417

588,444

RECAPITULATION.

| | |
|--|-------------------|
| 48,417 feet of Supply Main, equal to..... | 9 miles, 879 feet |
| 588,444 feet of Distributing Main, equal to... | 111 " 2,384 " |
| — | — |
| 636,861 feet, equal to..... | 120 " 3,261 " |

**SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP
GATES SET IN 1879.**

| NO. | SIZE. | STREET. | SIDE. | LINE OF STREET. |
|------------|--------------|--------------------|--------------|-----------------------------|
| 1 | 30 inch | Engine House..... | ..... | Check Valve. |
| 1 | 8 " | Clark Av. | South. | East Line of Guage St. |
| 1 | 8 " | Clark Av. | " | East Line of Ash St. |
| 1 | 8 " | Lorain St. | North. | West Line of Alum St. |
| 1 | 8 " | Lorain St. | " | East Line of Gordon Ave. |
| 1 | 8 " | Main St. | East. | North Line of Center St. |
| 1 | 8 " | Payne Av. | North | East Line of Case Ave. |
| 1 | 8 " | Water St. | East. | North Line of St. Clair St. |
| 1 | 8 " | Water St. | " | South Line of St. Clair St. |
| 1 | 8 " | Water St. | " | North Line of Frankfort St. |
| 9 | ..... |  |  |  |
| 1 | 6 inch | Bridge St. | South | East Line of Waverly St. |
| 1 | 6 " | Birch St. | East. | North Line of Franklin St. |
| 1 | 6 " | Belmont St. | " | South Line of Orange St. |
| 1 | 6 " | Courtland St. | North | South Line of Bridge St. |
| 1 | 6 " | Chatham St. | " | West Line of Willett St. |
| 1 | 6 " | Chatham St. | " | East Line of Mechanic St. |
| 1 | 6 " | Chatham St. | " | East Line of Penn St. |
| 1 | 6 " | Chatham St. | " | West Line of Jersey St. |
| 1 | 6 " | Chatham St. | " | West Line of Ward St. |
| 1 | 6 " | Chatham St. | " | West Line of York St. |
| 1 | 6 " | Chestnut St. | " | East Line of Erie St. |
| 1 | 6 " | Chestnut St. | " | West Line of Murison St. |
| 1 | 6 " | Chestnut St. | " | East Line of Murison St. |
| 1 | 6 " | Chestnut St. | " | West Line of Dodge St. |
| 1 | 6 " | Canal St. | South | East Line of Seneca St. |
| 15 | ..... |  |  |  |

**SCHEDULE SHOWING THE NUMBER AND LOCATION OF STOP
GATES SET IN 1879—Continued.**

| No. | SIZE. | STREET | SIDE. | LINE OF STREET. |
|------------|--------------|--------------------|--------------|-------------------------|
| 1 | 6 | Canal..... | South. | West line Seneca St. |
| 1 | 6 | Central Place..... | West. | North line Ohio St. |
| 1 | 6 | Ensign..... | North. | East line Willson Ave. |
| 1 | 6 | Forest..... | East. | North line Garden St. |
| 1 | 6 | Forest..... | " | South line Cedar St. |
| 1 | 6 | Florence..... | " | South line Quincy St. |
| 1 | 6 | Grant | " | North line Garden St. |
| 1 | 6 | Harmon..... | West. | South line Garden St. |
| 1 | 6 | Harper. | East. | South line Garden St. |
| 1 | 6 | Harper | East. | North line Scovill Ave. |
| 1 | 6 | Hamilton..... | South. | East line Alabama St. |
| 1 | 6 | Hamilton..... | " | West line Sterling Ave. |
| 1 | 6 | King..... | " | East line Lawrence St. |
| 1 | 6 | King | " | West line Wasson St. |
| 1 | 6 | Lyman | East. | South line Superior St. |
| 1 | 6 | Lyman..... | " | North line Payne Ave. |
| 1 | 6 | Lyman | " | South line Payne Ave. |
| 1 | 6 | Laurel.. | " | South line Garden St. |
| 1 | 6 | McHenry..... | " | South line Superior St. |
| 1 | 6 | McHenry | " | North line Payne Ave. |
| 1 | 6 | Merwin | " | South line Center St. |
| 1 | 6 | Merwin | " | South line German St. |
| 1 | 6 | Mechanic..... | " | South line Lorain St. |
| 1 | 6 | Mechanic | " | North line Chatham St. |
| 1 | 6 | McLean | " | North line Chatham St. |
| 1 | 6 | McLean..... | " | North line Monroe St |

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP
GATES SET IN 1879—*Continued.*

| No. | SIZE. | STREET. | SIDE. | LINE OF STREET. |
|-----|-------|----------------|--------|--|
| 1 | 6 | Ohio..... | South. | West line Central Place. |
| 1 | 6 | Putnam | East. | South line Garden St. |
| 1 | 6 | Sterling | " | South line Cedar Ave. |
| 1 | 6 | " | " | North line Superior St. |
| 1 | 6 | " | " | South line Superior St. |
| 1 | 6 | " | " | North line Payne Ave. |
| 1 | 6 | " | " | South line Scovill Ave. |
| 1 | 6 | Seelye | " | South line Woodland Ave. |
| 1 | 6 | " | " | At third hydrant south of Woodland. |
| 1 | 6 | " | " | North line Julia St. |
| 1 | 6 | Scovill | North. | East line Willson Ave. |
| 1 | 6 | Scovill | " | West line Slater Ave. |
| 1 | 6 | Seneca | East. | South line Michigan St. |
| 1 | 6 | Spring..... | " | North line St.: Clair St. |
| 1 | 6 | Willett.... | " | North line Chatham St. |
| 1 | 6 | Willcutt.... | " | North line Beaver St. |
| 1 | 6 | White | South. | West line Baker St. |
| 1 | 6 | Ward | East. | North line Chatham St. |
| 1 | 6 | Water.. | ..... | 41½ W. of E. L. Water & 1½ N. Frankf't |
| 2 | 6 | For Hydrants. | | |
| 62 | | | | |

**SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP
GATES SET IN 1879—Continued.**

| No. | SIZE. | STREETS. | SIDE. | LINE OF STREET. |
|------------|--------------|------------------|--------------|-------------------------|
| 1 | 4 | Bond..... | West. | North line Lake St. |
| 1 | 4 | French..... | South. | West line Columbus St. |
| 1 | 4 | Griswold..... | South. | East line Kinsman St. |
| 1 | 4 | Huntington..... | East. | North line Euclid Ave. |
| 1 | 4 | Huntington..... | East. | South line Payne Ave |
| 1 | 4 | Harmon..... | West. | North line Superior St. |
| 88 | 4 | For hydrants. | | |
| 94 | | | | |
| 1 | 3 | North Place..... | East. | North line Garden St. |

RECAPITULATION OF STOP GATES FOR 1879.

| Water Way in inches..... | 36 | 30 | 24 | 20 | 16 | 12 | 10 | 8 | 6 | 4 | 3 | |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|------|
| Set previous to 1879..... | 1 | 14 | 7 | 14 | 19 | 15 | 90 | 152 | 520 | 865 | 200 | 1957 |
| Set during 1879..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | 9 | 62 | 94 | 1 | 166 |
| Total..... | 1 | 14 | 7 | 14 | 19 | 15 | 90 | 161 | 582 | 959 | 261 | 2123 |
| Taken up during 1879..... | ..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... | 10 | 4 | 14 |
| Total..... | 1 | 14 | 7 | 14 | 19 | 15 | 90 | 161 | 582 | 949 | 257 | 2109 |

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1879.

| NO. | SIZE. | STREET. | FEET | LOCATION. | SIDE. |
|------------|-------|--------------------|------|--|--------|
| C. 13 to 4 | | Broadway..... | | At Jefferson Street | West. |
| 1 | 4 | Bridge St..... | | West Line of Waverly..... | South. |
| 1 | 4 | Birch St..... | 288 | N. of Franklin Avenue | East. |
| 1 | 4 | Belmont St..... | 248 | S. of Orange Street..... | East. |
| 1 | 4 | Bond St..... | 19 | N. of S. L. Summit..... | West. |
| 1 | 4 | Clark Ave | 96 | E. of Selden Street..... | South. |
| 1 | 4 | Clark Ave..... | 12 | E. of Guage Street..... | " |
| 1 | 4 | Clark Ave. | 35 | E. of Milford Street | " |
| 1 | 4 | Clark Ave..... | | At Ash Street..... | " |
| 1 | 4 | Carter St..... | 233 | S. of angle of Abutment of R. R. Bridge over Carter.. | West. |
| 1 | 4 | Carter St..... | 246 | N. of S. L. Girard St. | East. |
| C. 13 to 4 | | Center St..... | | At Main Street..... | North. |
| 1 | 4 | Chatham St. | 117 | E. of Mechanic..... | " |
| 1 | 4 | Chatham St..... | | On W. Line of Jersey | " |
| 1 | 4 | Chestnut St..... | 155 | E. of Muirson Street..... | " |
| 1 | 4 | Chestnut St..... | 521 | E. of Muirson Street..... | " |
| 1 | 4 | Chestnut St. | 508 | W. of Dodge Street..... | " |
| 1 | 4 | Chestnut St..... | 94 | W. of Dodge Street | " |
| 1 | 4 | Canal St. | | On W. Line of Seneca Street.. | South. |
| 1 | 4 | Central Place..... | 26 | S. of Eagle Street.. | West. |
| 1 | 4 | Curtiss Ave. | 248 | E. of Willson Avenue. | South. |
| 1 | 4 | Cherry St... .. | 230 | E. of Perry..... | " |
| C. 13 to 4 | | Elm St | | At Spruce Street..... | North. |
| 1 | 4 | Ensign St..... | 319 | E. of Willson Avenue..... | " |
| 1 | 4 | Forest St..... | 257 | S. of Cedar Avenue | East |
| 1 | 4 | Forrest St..... | 322 | 322 N. of Garden Street.. .. | " |
| 1 | 4 | Florence St..... | 379 | S. of Quincy Street..... | " |
| 1 | 4 | Grant St..... | 354 | S. of Cedar Avenue..... | " |
| 1 | 4 | Grant St... .. | 330 | N. of Garden Street..... | " |
| 1 | 4 | Griswold St..... | 372 | E. of Klisman Street... .. | North. |
| 1 | 4 | Harper St... .. | 177 | N. of Scovill Avenue..... | East. |
| 1 | 4 | Harper St..... | 490 | S. of Garden Street | " |

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1879.

Continued.

| NO. | SIZE. | STREET. | FEET | LOCATION. | SIDE. |
|------|--------|---------------------|------|--------------------------------|--------|
| 1 | 4 | Harper St. | 160 | S. of Garden Street ... | East. |
| 1 | 4 | Hamilton St. | 318 | E. of Alabama St. | South. |
| 1 | 4 | Huntington St. | 188 | N. of Euclid Avenue. | East. |
| 1 | 4 | Judd St. | | At Harmon Street. | South. |
| 1 | 4 | King St. | 378 | E. of Lawrence Street ... | " |
| 1 | 4 | King St. | 157 | W. of Wasson Street. | " |
| 1 | 4 | Lorain St. | | At E. Line of Gordon Avenue. | North. |
| 1 | 4 | Lorain St. | 330 | W. of Alum Street. | " |
| 1 | 4 | Lorain St. | | At Alum Street. | " |
| 1 | 4 | Lorain St. | | At Purdy Street. | " |
| 1 | 4 | Lexington Ave. ... | 317 | E. of Willson Avenue. | South. |
| 1 | 4 | Lexington Ave. ... | 710 | E. of Willson Avenue. | " |
| 1 | 4 | Lexington Ave. | 1196 | E. of Willson Avenue. | " |
| 1 | 4 | Lyman St. | 190 | S. of Superior Street ... | East. |
| 1 | 4 | Lyman St. | 578 | S. of Superior Street. | " |
| 1 | 4 | Lyman St. | 409 | N. of Payne Avenue ... | " |
| 1 | 4 | Lyman St. | 3 | N. of Payne Avenue. | " |
| 1 | 4 | Lyman St. | 260 | S. of Payne Avenue ... | " |
| 1 | 4 | Lyman St. | 570 | S. of Payne Avenue ... | " |
| 1 | 4 | Laurel St. | | At Garden Street. | " |
| 1 | 4 | Laurel St. | 460 | S. of Garden Street. | " |
| C. 1 | 4 to 6 | Michigan St. | | At Seneca Street ... | South. |
| 1 | 4 | McHenry St. | 282 | South of Superior Street. | East. |
| 1 | 4 | McHenry St. | 670 | South of Superior Street. | " |
| 1 | 4 | McHenry St. | 317 | N. of Payne Avenue ... | " |
| 1 | 4 | Mechanic St. | 8 | South of Lorain Street. | " |
| 1 | 4 | Mechanic St. | 246 | N. of Chatham Street. | " |
| 1 | 4 | McLean St. | | At Lorain Street. | " |
| 1 | 4 | McLean St. | 140 | N. of Chatham Street ... | " |
| 1 | 4 | McLean St. | 179 | S. of Chatham Street. | " |
| C. 1 | 3 to 4 | Merwin St. | | At Leonard Street. | " |
| C. 1 | 3 to 4 | Merwin St. | | At German Street. | " |
| 1 | 4 | Merchant Avenue ... | 378 | N. of Fairfield Street. | West. |

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1879.

Continued.

| No. | SIZE. | STREET. | FEET | LOCATION. | SIDE. |
|-----|-------|-----------------------|------|-----------------------------|--------|
| 1 | 4 | Slater Avenue..... | 408 | At Griswold Street..... | East. |
| 1 | 4 | Slater Avenue..... | | S. of Griswold Street..... | " |
| 1 | 4 | Sterling Avenue..... | 4 | At Pine Street | " |
| 1 | 4 | Sterling Avenue..... | | S. of Sonora Street | " |
| 1 | 4 | Sterling Avenue..... | 206 | S. of Superior Street..... | " |
| 1 | 4 | Sterling Avenue..... | 346 | N. of Payne Avenue..... | " |
| 1 | 4 | Sterling Avenue. . . | 2 | N. of Payne Avenue.... | " |
| 1 | 4 | Sterling Avenue | 151 | S. of Scovill Avenue..... | " |
| 1 | 4 | Sterling Avenue..... | 495 | S. of Scovill Avenue..... | " |
| 1 | 4 | Sterling Avenue..... | 196 | N. of Woodland Avenue..... | " |
| 1 | 4 | Seelye Avenue.. . . | 130 | S. of Woodland Avenue..... | " |
| 1 | 4 | Seelye Avenue | 506 | S. of Woodland Avenue... .. | " |
| 1 | 4 | Seelye Avenue..... | 906 | S. of Woodland Avenue..... | " |
| 1 | 4 | Seelye Avenue..... | 619 | N. of Julia Street..... | " |
| 1 | 4 | Seelye Avenue..... | 215 | N. of Julia Street | " |
| 1 | 4 | Scovill Avenue..... | 237 | E. of Willson Avenue... .. | North. |
| 1 | 4 | Scovill Avenue..... | 345 | W. of Slater Avenue | " |
| 1 | 4 | Scovill Avenue..... | | At Slater Avenue..... | " |
| 1 | 4 | St. Paul | | At Washington Street | East. |
| 1 | 4 | Spring Street... .. | 5 | N. St. Clair St.... | " |
| 1 | 4 | Spring Street.. | 370 | N. of St. Clair St | West. |
| 1 | 6 | Water Street..... | | At Frankfort St. | East. |
| 1 | 4 | Willcut Street . . . | 357 | S. of Woodland Avenue..... | " |
| 1 | 4 | Willcutt Street..... | 3 | At Beaver Street.. . . | " |
| 1 | 4 | White Street | | At Baker Street | South. |
| 1 | 4 | Winter Street..... | | At French Street | |
| 91 | ..... | Total. | | | |

HYDRANTS CHANGED IN 1879.

| NO. | TAKEN UP. | SET. | STREET. | LOCATION. | |
|-----|--------------|------|-----------------|-----------------------|--------|
| 1 | 3 | 4 | Center St | Main street | North. |
| 1 | 3 | 4 | Elm St. | Spruce street..... | North. |
| 1 | 4 | 6 | Michigan | Seneca street..... | South. |
| 1 | 3 | 4 | Broadway..... | Jefferson street..... | West. |
| 1 | 3 | 4 | Merwin St. | Leonard street..... | East. |
| 1 | 3 | 4 | Merwin St..... | German street..... | East. |
| 6 | | | | | |

ABSTRACT OF EXPENDITURES FOR 1879.

JANUARY—Continued.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meters. | Construc- tion. | Total. |
|--------------------------|-------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|------------------|--------------------|--------|
| Roehl & Koehn | Brick | | | | | | 55 00 | | | | | 55 00 |
| Russel Lime Co. | Hair | | | | | | 7 00 | | | | | 7 00 |
| Strong, Cobb & Co. | White lead | | 2 00 | | | | | | | | | 2 00 |
| M. B. Sturtevant, use of | Horse and wagon | | 22 00 | | | | | | | | | 22 00 |
| Worswick Manufact'g Co | Iron work | | | | | | 38 53 | | | | | 38 53 |
| H. R. Worthington | Repairs to meters | | 20 25 | | | | | | | | | 20 25 |
| Beldler & Nicola | Coal | | | | 346 03 | | | | | | | 346 03 |
| S. H. Pratt Mchy agency | Hair felting | | | | 7 70 | | | | | | | 7 70 |
| J. J. Graves | Plumbing, etc. | | | | 15 40 | | | | | | | 15 40 |
| People's Gas Co | | | | | | 31 20 | | | | | | 31 20 |

ABSTRACT OF EXPENDITURES FOR 1879. FEBRUARY.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Eng'ne House Expenses. | Eng'ne House Repairs. | New Boilers. | City Repairs. | Lake City. | Water Meters. | Construc- tion. | Total. |
|------------------------|-----------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|------------------|--------------------|----------|
| Pay rolls | Labor... | | 188 55 | 1,450 73 | 1,160 16 | 21 75 | 80 25 | | | | | 2,901 44 |
| A. W. Abrams | Tallow | | | | 22 65 | | | | | | | 22 65 |
| Beldler & Nicola | Coal | | | | 445 54 | | | | | | | 445 54 |
| Wm. Bingham & Co. | Stencill copper | | 2 48 | | | | | | | | | 2 48 |
| F. & W. Born | Pump valves | | 1 04 | | | | | | | | | 1 04 |
| Cleveland Gas Co | Gas | | | 6 45 | | | | | | | | 6 45 |
| Cleveland Rubber Co. | Rubber hose | | | | 10 00 | | | | | | | 10 00 |
| Edwards, Townsend & Co | Brooms | | | | 8 65 | | | | | | | 8 65 |
| Globe Iron Works. | Iron work | | | | 145 26 | 19 75 | 1 20 | | | | | 166 21 |
| J. M. Gorsuch | Varnish | | | | | | 8 40 | | | | | 8 40 |
| Thos. Manning, Jr. | Iron work | 13 50 | 10 98 | | | | | | | | | 24 48 |
| People's Gas Co | Gas | | | | 20 40 | | | | | | | 20 40 |

ABSTRACT OF EXPENDITURES FOR 1879.

MARCH—Continued.

| BILLS RENDERED BY. | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meter. | Construc- tion. | Total. |
|-----------------------------|-----------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|--------|
| Samuel Merwin | Flue cleaner | .. | .. | .. | 12 60 | .. | .. | .. | .. | .. | .. | 12 60 |
| Rhodes & Co. | Coal | 3 50 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 50 |
| Strong, Cobb & Co. | Soap | .. | .. | 1 42 | 2 50 | .. | .. | .. | .. | .. | .. | 3 32 |
| Upson, Walton & Co. | Twine, &c. | .. | .. | 1 30 | 90 | .. | .. | .. | .. | .. | .. | 2 27 |
| Russell Lime Co. | Hair | .. | .. | .. | .. | .. | 4 00 | .. | .. | .. | .. | 4 00 |
| J. Wagner | Coal | 4 71 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 4 71 |
| H. R. Worthington | Meter repairs | .. | .. | 3 30 | .. | .. | .. | .. | .. | .. | .. | 3 30 |
| Worswick Mfg. Co. | Pipe, fittings, &c. | .. | 24 08 | .. | .. | 5 25 | 21 40 | .. | .. | .. | .. | 50 71 |
| J. Stovering | Blacksmithing | .. | 2 15 | .. | .. | .. | .. | .. | .. | .. | .. | 2 15 |
| People's Gas Co. | Gas | .. | .. | .. | 18 30 | .. | .. | .. | .. | .. | .. | 18 30 |

ABSTRACT OF EXPENDITURES FOR 1879. APRIL.

| BILLS RENDERED BY | FOR | Pipe Ex- tensions. | General Repairs. | Office and General Expense. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meter. | Construc- tion. | Total. |
|--------------------------|-------------------------|-----------------------|---------------------|-----------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|----------|
| Pay rolls..... | Labor..... | 122 72 | 539 80 | 1,378 69 | 1,145 83 | 477 82 | | | | | | 3,684 45 |
| R. W. Abram..... | Tallow..... | | | | 52 50 | | | | | | | 52 50 |
| Beldler & Nicola..... | Coal..... | | | | 1,409 58 | | | | | | | 1,409 58 |
| W. Bingham & Co..... | Hardware.... | | | | | 15 77 | | | | | | 15 77 |
| F. & N. Born..... | Lanterns..... | | | 2 50 | | | | | | | | 2 50 |
| Bourne & Knowles. . . | Punching copper..... | | | | | 2 00 | | | | | | 2 00 |
| City of Cleveland..... | Pavement repair..... | 81 41 | 224 42 | | | | | | | | | 305 83 |
| Cleveland Gas Co..... | Gas..... | | | 4 50 | | | | | | | | 4 50 |
| Cleveland Ice Co: . . . | Ice at Engine House.... | | | | 9 25 | | | | | | | 9 25 |
| Cuya. Steam Furnace Co | Valve and pipe..... | | | | | | | | | | 187 13 | 187 13 |
| Davidson & House..... | Oak wedges..... | | 50 | | | | | | | | | 50 |
| Fairbanks, Morse & Co . | Repairs to scales..... | | | | 9 95 | | | | | | | 9 95 |
| Jas. Farnan..... | Ferules, &c..... | | | 91 70 | | | | | | | | 91 70 |
| Forest City Packing Co.. | Packing..... | | | | 36 00 | | | | | | | 36 00 |
| Gibson & Price..... | Lead | | 37 63 | | | | | | | | | 37 63 |
| Globe Iron Works.. . . | Iron Work. | | | | 4 50 | 70 68 | | | | | 18 00 | 93 18 |

ABSTRACT OF EXPENDITURES FOR 1879,

APRIL--Continued.

| BILLS RENDERED BY | FOR. | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meters. | Construc- tion. | Total. |
|-------------------------------------|-----------------------|----------------------|---------------------|------------------------------------|-----------------------------|-----------------------------|-----------------|------------------|---------------|------------------|--------------------|--------|
| John J. Graves..... | Plumbing..... | | 15 50 | 7 10 | | | | | | | | 22 60 |
| Kennedy, DeForest & Randall..... | Sheet Copper, &c..... | | | | 14 80 | | | | | | | 14 80 |
| Lord, Bowler & Co..... | Valves .. | 27 25 | | | | | | | | | | 27 25 |
| Thos. Manning & Co..... | Blacksmithing..... | | 23 16 | 16 75 | | | | | | | | 39 91 |
| Newell Bros. | Use of small boat .. | | | 11 78 | | | | | | | | 11 78 |
| People's Gas Co. | Gas..... | | | | 14 38 | | | | | | | 14 38 |
| Radcliff & Langell .. | Repairing scow..... | | | | | | | 76 87 | | | | 76 87 |
| Russell Lime Co..... | Lime..... | | | | | 31 50 | | | | | | 31 50 |
| J. Stovering & Co.... | Iron work..... | | 98 01 | | | | | | | | | 98 01 |
| W. P. Southworth & Co. | Pails..... | | 1 65 | | | | | | | | | 1 65 |
| Short & Forman. | Stationery..... | | | 1 50 | | | | | | | | 1 50 |
| John Wagner..... | Coal | | 3 65 | | | | | | | | | 3 65 |
| W. S. Wight..... | Meter boxes..... | | | 32 95 | | | | | | | | 32 95 |
| H. R. Worthington.. | Water meters.... | | 33 51 | | | 236 80 | | | | 384 82 | | 635 13 |
| Worswick Mfg. Co..... | Pipe fittings | | 23 24 | | | 2 30 | | | | | | 24 54 |

MAY:

[illegible]

MAY--Continued.

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[illegible]

ABSTRACT OF EXPENDITURES FOR 1879.

JUNE—Continued.

| BILLS RENDERED BY | FOR | Pipe Rx- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meter. | Construc- tion. | Total. |
|-------------------------|----------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|--------|
| Upson, Walton & Co..... | Head light oil..... | ..... | ..... | 86 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 86 |
| Wachter Am Erie..... | Advertising..... | ..... | ..... | 3 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 50 |
| Wiseman & Harvey..... | Printing Annual Rep't..... | ..... | ..... | 43 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 43 50 |
| Ephram Woods..... | Brush..... | ..... | 4 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4 00 |
| R. D. Wood & Co..... | Fire Hydrants..... | 420 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 420 00 |
| Worswick Manufact'g Co | Pipe fittings... | ..... | 9 04 | ..... | ..... | 107 92 | ..... | ..... | ..... | ..... | ..... | 116 96 |
| H. R. Worthington..... | Water meters.... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 282 74 | ..... | 282 74 |

ABSTRACT OF EXPENDITURES FOR 1879.
JULY.

| BILLS RENDERED BY. | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meters. | Construc- tion. | Total. |
|---------------------------|-----------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|------------------|--------------------|----------|
| Pay rolls | Labor..... | 1,040 13 | 438 48 | 1,252 17 | 1,166 06 | ..... | ..... | ..... | 407 38 | ..... | 22 75 | 4,366 97 |
| Beidler & Nicola | Coal..... | 3 80 | ..... | 3 50 | 704 44 | ..... | ..... | ..... | ..... | ..... | ..... | 711 74 |
| W. Bingham & Co..... | Sheet rubber..... | ..... | ..... | ..... | 11 30 | ..... | ..... | ..... | ..... | ..... | ..... | 11 30 |
| James Cahill..... | Scrub brooms ..... | ..... | ..... | ..... | 3 00 | ..... | ..... | ..... | ..... | ..... | ..... | 3 00 |
| City of Cleveland..... | Pavement Repairs..... | 33 88 | 210 68 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 244 56 |
| Cleveland Directory Co.. | Directory..... | ..... | ..... | 4 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4 00 |
| Cleveland Ice Co: | Gas..... | ..... | ..... | 2 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 12 |
| Cleveland Paper Co..... | Envelopes..... | ..... | ..... | 3 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 50 |
| Cuy. Steam Furnace Co.. | Iron work ..... | ..... | ..... | ..... | ..... | 22 37 | ..... | ..... | ..... | ..... | 76 30 | 98 77 |
| Fairbanks & Co..... | Water rent bills..... | ..... | ..... | 19 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 19 25 |
| Jas. Farnan | Brass castings..... | ..... | ..... | 159 88 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 159 88 |
| Forest City Stone Co..... | Stone..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5 95 | 5 95 |
| Gibson & Price..... | Pig lead | 227 22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 227 22 |
| Globe Iron Works.. | Iron work ..... | ..... | ..... | ..... | ..... | 122 12 | ..... | ..... | 189 87 | ..... | ..... | 311 99 |

ABSTRACT OF EXPENDITURES FOR 1879.
JULY—Continued.

| BILLS RENDERED BY | FOR | Pipe Ex- tensions. | General Repairs. | Office and General Expense. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meter. | Construc- tion. | Total. |
|------------------------|-----------------------|-----------------------|---------------------|-----------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|----------|
| John J. Graves | Plumbing | | | 18 61 | | | | | | | | 18 61 |
| B. W. Jenness | Lumber | | | | | | | | 14 97 | | | 14 97 |
| Lake Shore Foundry Co. | Iron pipe, etc | 4,428 27 | | | | | | | | | | 4,428 27 |
| Leader Printing Co | Printing | | | 2 50 | 11 58 | | | | | | | 14 08 |
| Lord, Bowler & Co. | Valves | 518 80 | | | | | | | | | | 518 80 |
| R. T. Lyon | Cement and salt | | 2 30 | 4 40 | 8 45 | | | | | | | 15 15 |
| T. Manning & Co | Blacksmithing | | 46 00 | | | | | | | | | 46 00 |
| Mecca Oil Co. | Lubricating oil | | | | 33 80 | | | | | | | 33 80 |
| Plain Dealer Pub Co | Advertising | | | | 5 00 | | | | | | | 5 00 |
| T. R. Scowden | Professional services | | | 150 00 | | | | | | | | 150 00 |
| J. Stovering | Lathe work | | 3 80 | | | | | | | | | 3 80 |
| A. F. & H. Strater | Pig lead | 110 80 | | | | | | | | | | 110 80 |
| B. D. Wood & Co. | Hydrants | 425 00 | | | | | | | | | | 425 00 |
| Worswick Mfg. Co. | Pipe fitting | | 14 13 | | | | | | | | | 14 13 |

ABSTRACT OF EXPENDITURES FOR 1879.

AUGUST.

REPORT OF TRUSTEES OF WATER WORKS.

335

| BILLS RENDERED BY. | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Cmb Repairs. | Lake Cmb. | Water Meters. | Construct- tion. | Total. |
|---------------------------|------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|-----------------|--------------|------------------|---------------------|----------|
| Pay rolls | Labor..... | 1,016 83 | 478 92 | 1,333 02 | 1,192 07 | | | | 490 75 | | 28 50 | 4,540 19 |
| Bell, Cartwright & Co.... | Oak plank..... | | | | | | | | | | 28 35 | 28 35 |
| Beidler & Nicola..... | Coal..... | 3 40 | | | | | | | | | | 3 40 |
| W. Bingham & Co..... | Hardware..... | | | 2 75 | 35 80 | | | | 12 03 | | 60 | 51 18 |
| H. P. Card..... | Coal..... | | | | 827 09 | | | | | | | 827 09 |
| City of Cleveland..... | Pavement repairs | | 204 40 | | | | | | | | | 204 44 |
| Cleveland, Brown & & Co.. | Rails and spike..... | | | | | | | | | | 19 45 | 19 45 |
| Cleveland Gas Co..... | Gas..... | | | 2 13 | | | | | | | | 2 13 |
| Geo. Cooper & Co..... | Canvas duck..... | | 2 80 | | | | | | | | | 2 80 |
| George Dannon | Labor. | | 2 75 | | | | | | | | | 2 75 |
| Chr. Fay | Sawed wood.. .. | 4 00 | | | | | | | | | | 4 00 |
| W. H. Ford..... | Horse and wagon hire. | | 42 00 | 4 50 | | | | | | | | 46 50 |
| Gibson & Price..... | Pig lead | 135 20 | | | | | | | | | | 135 20 |
| Globe Iron Works.. .. | Machine work | | | | | 19 58 | | | | | 79 60 | 99 38 |

ABSTRACT OF EXPENDITURES FOR 1879.
AUGUST—Continued.

| BILLS RENDERED BY. | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meters. | Construc- tion. | Total. |
|---------------------------|----------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|------------------|--------------------|----------|
| John J. Graves..... | Plumbing..... | | | 26 23 | | | | | | | | 26 23 |
| Lake Shore Foundry. | Pipe & spec. castings..... | 3,548 68 | | | | | | | | | | 3,548 68 |
| Lord, Bowler & Co.,..... | Valves..... | 418 40 | | | | | | | | | | 418 40 |
| Thos. Manning, Jr. & Co. | Blacksmithing..... | 40 80 | | | | | | | | | | 40 80 |
| Ohio & Penn'a Coal Co.... | Coal..... | | | | 22 50 | | | | | | | 22 50 |
| People's Gas Co..... | Gas..... | | | | 13 38 | | | | | | | 13 38 |
| P. Ryan..... | Cartage.. .. | 8 75 | | | | | | | | | | 8 75 |
| Sherwin, Williams & Co. | Glass..... | | | 1 85 | | | | | | | | 1 85 |
| J. Stovering & Co.,.... | Blacksmithing | | 25 77 | | | | | | | | | 25 77 |
| Strong, Cobb & Co..... | Paint..... | | 2 00 | | 2 25 | | | | | | | 4 25 |
| R. D. Wood & Co..... | Fire hydrants..... | 576 00 | | | | | | | | | | 576 00 |
| Worswick Mfg. Co..... | Pipe fittings | 15 90 | | 56 91 | | 10 06 | | | | | | 82 87 |
| H. R. Worthington | Water meters. | | | | | | | | | 460 81 | | 460 81 |
| Frank Young | Painting..... | | | | | 128 70 | | | | | | 128 70 |

ABSTRACT OF EXPENDITURES FOR 1879.

AUGUST—Continued.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | City Repairs. | Lake City. | Water Meter. | Construc- tion. | Total. |
|-----------------------|--------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|----------|
| K. Hartman..... | Repairing lamp..... | ..... | 6 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6 75 |
| A. A. M. Donell..... | Estimate..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7,000 00 | ..... | ..... | 7,000 00 |
| J. E. Hall.. .. | Stove ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7 70 | ..... | ..... | 7 70 |
| A. A M. Donell. | Tools and materials..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 353 60 | ..... | ..... | 353 60 |
| A. A. M. Donell | Final estimate..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 643 40 | ..... | ..... | 643 40 |

ABSTRACT OF EXPENDITURES FOR 1879.
SEPTEMBER.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meter. | Construc- tion. | Total. |
|-------------------------|----------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|----------|
| Pay rolls | Labor | 833 89 | 359 63 | 1,375 29 | 1,200 99 | | | | 418 26 | | | 4,188 06 |
| J. J. Blatt | Claw screw | | | | | | | | 9 00 | | | 9 00 |
| George Breynan | Diving | | 60 00 | | | | | | 2,180 00 | | | 2,190 00 |
| W. Bingham & Co | Hardware | | | | | | | | 24 21 | | | 24 21 |
| Jas. Cahill | Brooms | | | | 3 00 | | | | | | | 3 00 |
| E. Cushing | Rent | | | 275 00 | | | | | | | | 275 00 |
| Cleveland Gas Light Co. | Gas and clay | 6 00 | | 2 26 | | | | | | | | 8 26 |
| City of Cleveland | Pavement repairs | 98 91 | 87 44 | | | | | | | | | 186 35 |
| E. Day & Son | Coal | | | 3 00 | | | | | | | | 3 00 |
| W. H. Ford | Horse and wagon hire | | | 3 00 | | | | | | | | 3 00 |
| John J. Graves | Plumbing | | | 11 63 | | | | | | | | 11 63 |
| Gibson & Price | Pig lead | 89 00 | | | | | | | | | | 89 00 |
| Globe Iron Works | Iron work | | | | 6 15 | | | | | | | 6 15 |
| R. Greenhaugh | Tug & lighter use | | 73 00 | | | | | | 1,724 00 | | | 1,797 00 |
| J. W. Grover & Son | Rope, oil etc | | | 2 10 | | | | | 77 91 | | | 80 01 |

ABSTRACT OF EXPENDITURES FOR 1879.

SEPTEMBER—Continued.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meters. | Construc- tion. | Total. |
|--------------------------|------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|------------------|--------------------|----------|
| Leader Printing Co..... | Printing | | | 2 50 | | | | | | | | \$ 2 50 |
| Lord, Bowler & Co. | Valves..... | 843 00 | | | | | | | | | | 343 00 |
| R. T. Lyon..... | Cement..... | | 2 30 | | | | | | | | | 2 30 |
| Lake Shore Foundry..... | Pipe and castings..... | 2,857 28 | | | | | | | | | | 2,857 28 |
| Merriam & Morgan..... | Oil..... | | | | 5 88 | | | | | | | 5 88 |
| Thos. Manning, Jr. & Co. | Iron work..... | 16 85 | 8 45 | | | | | | | | | 20 38 |
| People's Gas Co..... | Gas..... | | | | 18 00 | | | | | | | 18 00 |
| Purdy & McNeill..... | Lumber..... | 7 49 | 56 01 | | | | | | | | 52 58 | 116 08 |
| Purdy & McNeill | Lumber..... | | | | | | | | 186 90 | | | 186 90 |
| P. Ryan..... | Cartage | | | 4 87 | | | | | | | | 4 87 |
| Strong, Cobb & Co. | Soap | | | 1 42 | | | | | | | | 1 42 |
| George A. Stanley..... | Oil..... | | | | 24 48 | | | | | | | 24 48 |
| A. F. & H. Strater..... | Pig lead | 219 08 | | | | | | | | | | 219 08 |
| Henry Steigmeir..... | Packing, etc..... | 41 22 | 6 30 | | | | | | | | | 47 52 |
| Short & Forman..... | Stationery..... | | | 5 68 | | | | | | | | 5 68 |

ABSTRACT OF EXPENDITURES FOR 1879,
SEPTEMBER—Continued.

| BILLS RENDERED BY | FOR. | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses | Engine House Repairs. | New Boilers. | Chb Repairs. | Lake Chb. | Water Meters. | Construc- tion. | Total. |
|---------------------------|--------------------------|----------------------|---------------------|------------------------------------|-----------------------------|-----------------------------|-----------------|-----------------|--------------|------------------|--------------------|--------|
| J. Stovering & Co..... | Repair work..... | | 31 10 | | | | | | | | | 31 10 |
| John Thompson..... | Repair work..... | | | | | | | | 11 69 | | | 11 69 |
| A. T. Van Tassel & Co.... | Sundries..... | | | | 9 16 | | | | 5 06 | | | 14 21 |
| R. T. Willard..... | Paint..... | | 14 75 | | | | | | | | | 14 75 |
| R. D. Wood & Co | Hydrants | 420 00 | | | | | | | | | | 420 00 |
| H. R. Worthington..... | Water meters..... | | | | | | | | | 761 25 | | 761 25 |
| Worswick Mfg Co | Pipe and fittings..... | | 30 51 | | | 8 00 | | | | | | 38 51 |
| H. M. Hempy. | Sawing and planing.... | 12 00 | | | | | | | 77 40 | | | 89 40 |
| H. P. Card..... | Coal | 604 36 | | | | | | | | | | 604 36 |
| Clev. Window Glass Co.. | Glass..... | | | | | | | | 25 50 | | | 25 50 |
| A. Lacour..... | Iron and blacksmith'g .. | | 3 30 | 8 50 | | | | | 395 26 | | | 407 06 |
| W. Gaul.. .. | Teaming..... | | | 6 00 | | | | | | | | 6 00 |

ABSTRACT OF EXPENDITURES FOR 1879.
OCTOBER.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meters. | Construc- tion. | Total. |
|--------------------------|--------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|------------------|--------------------|------------|
| Pay rolls..... | Labor | 886 87 | 404 20 | 1,476 10 | 1,219 59 | | | | | | | \$3,996 26 |
| A. & G. W. Ry. | Laying track | | | | | | | | | | 105 86 | 105 86 |
| Beldler & Nicola..... | Coal..... | 7 45 | | 4 00 | | | | | | | | 11 45 |
| Wm. Bingham & Co..... | Hardware | | | | 3 00 | | | 9 00 | | | | 12 00 |
| F. & H. Born..... | Repairing pump | | | 90 | | | | | | | | 90 |
| Boston Machine Co..... | 30 in. valve | 446 25 | | | | | | | | | | 446 25 |
| H. P. Card..... | Coal..... | | | | 879 23 | | | | | | | 879 23 |
| City of Cleveland..... | Repairing pavement | | 96 07 | | | | | | | | | 96 07 |
| Clev. Gas Light Co. | Gas | | | 8 87 | | | | | | | | 8 87 |
| George Dennon..... | Mason work | | 13 75 | 16 87 | | | | | | | | 30 62 |
| Gibson & Price..... | Pig lead..... | 117 93 | | | | | | | | | | 117 93 |
| John J. Graves..... | Plumbing..... | | 43 93 | | | | | | | | | 43 93 |
| H. M. Hempy & Son.. | Lumber..... | | 1 00 | | | | | | | | | 1 00 |
| Herald Publishing Co | Advertising | | | 4 00 | | | | | | | | 4 00 |
| W. Kaufman..... | Advertising | | | 4 00 | | | | | | | | 4 00 |
| Lake Shore Foundry Co. | Pipe and castings..... | 3,307 01 | | | | | | | | | | 3,307 01 |

ABSTRACT OF EXPENDITURES FOR 1879.
OCTOBER--Continued.

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CITY DOCUMENTS.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs. | New Boilers. | Crib Repairs. | Lake Crib. | Water Meter. | Construc- tion. | Total. |
|--------------------------|-------------------------|----------------------|---------------------|------------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|--------|
| Leader Printing Co..... | Printing and adv'tising | | | | 8 75 | | | | | | | 8 75 |
| Leonard & Ellis..... | Valvoline..... | | | | 145 09 | | | | | | | 145 09 |
| H. W. Luetkemeyer. | Roller for lawn mower | | | 35 | | | | | | | | 35 |
| Lord, Bowler & Co..... | Valves, etc | 412 00 | | | | | | | | | | 412 00 |
| T. Manning Jr. & Co..... | Blacksmithing | | 16 85 | 12 00 | | | | | | | | 28 85 |
| Peck & Bemis | Hose | | | | 21 00 | | | | | | | 21 00 |
| People's Gas Co. | Gas | | | | 13 63 | | | | | | | 13 63 |
| Plain Dealer Pub. Co.... | Advertising | | | 3 33 | | | | | | | | 3 33 |
| Jacob Saxer..... | Glazing | | | | | 7 85 | | | | | | 7 85 |
| J. Stovering..... | Repair work..... | | 5 85 | | | | | | | | | 5 85 |
| Upson, Walton & Co.... | Sundries | | 2 95 | 16 06 | 8 30 | | | 29 58 | | | | 56 89 |
| Wadsworth & Roberts... | Plumbing | | 6 19 | | | | | | | | | 6 19 |
| Waechter am Erie..... | Advertising... .. | | | 4 00 | | | | | | | | 4 00 |
| R. D. Wood & Co..... | Hydrants..... | 420 00 | | | | | | | | | | 420 00 |
| Worwick Mfg. Co..... | Fittings | | | 11 53 | | | | | | | | 11 53 |
| H. R. Worthington.. ... | Meters, etc | | 81 50 | | | | | | | 277 53 | | 359 03 |

ABSTRACT OF EXPENDITURES FOR 1879.
NOVEMBER.

| BILLS RENDERED BY | FOR | Pipe Ex- tensions. | General Repairs. | Office and General Expense. | Engine House Expenses. | Engine House Repairs. | New Boilers. | City Repairs. | Lake City. | Water Meter. | Construc- tion. | Total. |
|--------------------------|------------------------|-----------------------|---------------------|-----------------------------------|------------------------------|-----------------------------|-----------------|------------------|---------------|-----------------|--------------------|----------|
| Pay rolls..... | Labor .. | 628 40 | 366 86 | 1,536 25 | 1,232 73 | | | | | | | 3,764 24 |
| Beidler & Nicola..... | Coal..... | 2 45 | | | | | | | | | | 2 45 |
| W. Bingham & Co..... | Hardware... | | | 7 89 | | | | | | | | 7 89 |
| S. C. Brooks & Co..... | Meter boxes, etc .. | | | 217 11 | | | | | | | 23 95 | 241 06 |
| City of Cleveland | Paving..... | 9 19 | 18 75 | | | | | | | | | 27 94 |
| City of Cleveland..... | Paving..... | 46 37 | 13 07 | | | | | | | | | 59 44 |
| H. P. Card..... | Coal..... | | | | 726 62 | | | | | | | 726 62 |
| Cleveland Gas Co..... | Gas .. | | | 8 25 | | | | | | | | 8 25 |
| Cleve. Tug Association.. | Tug hire..... | | | 30 00 | | | | | | | | 30 00 |
| W. H. Ford..... | Horse and wagon hire.. | | 10 00 | 3 00 | | | | | | | | 13 00 |
| Gibson & Price..... | Pig lead. | 115 28 | | | | | | | | | | 115 28 |
| John J. Graves..... | Plumbing..... | | | 18 98 | | | | | | | | 18 98 |
| T. Ingraham..... | Cotton waste..... | | | | 51 66 | | | | | | | 51 66 |

ABSTRACT OF EXPENDITURES FOR 1879.

DECEMBER—Continued.

| BILLS RENDERED BY | FOR | Pipe Ex- tension. | General Repairs. | Office and General Expenses. | Engine House Expenses. | Engine House Repairs | New Boilers. | City Repairs. | Lake City. | Water Meters. | Construc- tion. | Total. |
|------------------------|-------------------------|----------------------|---------------------|------------------------------------|------------------------------|----------------------------|-----------------|------------------|---------------|------------------|--------------------|------------|
| Ward & Jackson..... | Blacksmithing, etc..... | ..... | ..... | ..... | ..... | ..... | ..... | 52 74 | ..... | ..... | ..... | 52 74 |
| Thos. Willson | Submarine diving ..... | ..... | ..... | ..... | ..... | ..... | ..... | 120 00 | ..... | ..... | ..... | 120 00 |
| S. Wood & Sons..... | Sewer pipe..... | 2 70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 70 |
| H R Worthington..... | Water meters, etc..... | ..... | 18 68 | ..... | ..... | ..... | ..... | ..... | ..... | 306 30 | ..... | 416 98 |
| Worswick Mnfg. Co..... | Pipe and fittings..... | ..... | 3 40 | 11 70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 10 |
| Patrick Burke..... | Damages..... | ..... | 68 96 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 68 96 |
| Michael Coyne | Damages..... | ..... | 144 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 144 18 |
| P. Filbin. | Damages..... | ..... | 60 42 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 42 |
| Mrs. Marlow | Damages..... | ..... | 41 81 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 41 81 |
| Pay rolls | Labor on Franklin St.. | ..... | 132 31 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 132 31 |
| Total..... | ..... | 42,714 86 | 7,989 53 | 20,273 05 | 24,804 14 | 2,974 80 | 1,086 11 | 1,147 05 | 13903 85 | 3,884 74 | 722 22 | 119,653 88 |

ABSTRACT OF EXPENDITURES FOR 1879.

| | |
|-------------------------------------|--------------|
| Pipe Extension | \$42,714 86 |
| General Repairs.. | 7,939 53 |
| Office and General Expenses | 20,273 05 |
| Engine House Expenses..... | 24,804 14 |
| Engine House Repairs..... | 2,974 30 |
| New Boilers..... | 1,036 11 |
| Crib Repairs | 1,147 05 |
| Lake Crib..... | 13,903 35 |
| Water Meters | 3,834 74 |
| Construction..... | 722 22 |
| Interest..... | 304 53 |
| | <hr/> |
| | \$119,653 88 |

To the Honorable City Council.

EIGHTH ANNUAL REPORT

OF THE

BOARD OF POLICE COMMISSIONERS

OF THE

CITY OF CLEVELAND, OHIO.

FOR THE

YEAR ENDING DECEMBER 31ST, 1879.

ORGANIZATION.

W. G. ROSE,

Mayor and Ex-officio President to April, 1879.

R. R. HERRICK,

Mayor and Ex-officio President since April, 1879.

Commissioners :

JOHN M. STERLING, Jr.,

G. W. HOWE, *to April, 1879.*

LOUIS HAUSHEER,

GEO. W. SHORT, *since April, 1879.*

J. R. SPRANKLE.

G. G. MINOR, *Secretary to May, 1879.*

THOMAS KING, *Secretary since May, 1879.*

JACOB W. SCHMITT, *Superintendent.*

JAS. McMAHON, *Captain.*

H. HOHEN, *Captain.*

H. M. HOLZWORTH, *Captain Detectives.*

S. T. EVERETT, *Treasurer.*

DR. G. B. CASE, *Health Officer to April, 1879.*

DR. W. B. REZNOR, *Health Officer since April, 1879.*

*Extract from Regular Meeting of the Board, held
February 3, 1880.*

“The Secretary submitted copies of Annual Report of Police Department.

“*Ordered*, That two hundred copies of same be printed and bound.”

By order of the Board,

THOMAS KING,

Secretary.

EIGHTH ANNUAL REPORT
OF THE
Board of Police Commissioners
OF THE
CITY OF CLEVELAND.

OFFICE BOARD OF POLICE COMMISSIONERS, }
CLEVELAND, January 1, 1880. }

To the Honorable City Council of Cleveland, O.:

In accordance with section 25 of a law of this State, passed March 17th, 1876, the Board of Police Commissioners of this city have the honor of submitting their Eighth Annual Report showing the condition of the Department for the year ending December 31, 1879, together with such information and statistics as is deemed of interest to your honorable body and the people of the city. It is with great pleasure that the Board calls your attention to the general condition of the Department, its equipment, clothing and *personnel* of the Force; amount of labor performed by a small number of men, the economy with which the Department is managed, as shown by the fact that our expenses for the year 1879 are fourteen thousand five hundred dollars less than they were in 1878, and forty-four thousand dollars less than in 1874.

No large city in the United States enjoys a greater exemption from crime, and in none is there a feeling that life and property are more secure.

THE BOARD.

Since the last Report there has been two changes in the *personnel* of the Board. The time of Commissioner Howe having expired, the citizens at the last Spring election elected Geo. W. Short to fill the place formerly occupied by Commissioner Howe, and at the same time elected R. R. Herrick Mayor, in place of Wm. G. Rose.

The Board at present is made up by the following citizens:

| | Term Expires. |
|--|---------------|
| R. R. HERRICK, <i>Mayor and Ex-officio President</i> , | 1881. |
| JOHN M. STERLING, JR., - - - - - | 1880. |
| LOUIS HAUSHEER, - - - - - | 1881. |
| J. R. SPRANKLE, - - - - - | 1882. |
| GEO. W. SHORT, - - - - - | 1883. |

THOMAS KING, *Secretary*.

STANDING COMMITTEES.

On Rules, Men and Discipline.

COMMISSIONERS STERLING AND HAUSHEER.

On Station Houses and Repairs.

COMMISSIONERS SPRANKLE AND SHORT.

On Finance and Account.

COMMISSIONERS SHORT AND STERLING.

On Health and Sanitary.

COMMISSIONERS HAUSHEER AND SPRANKLE.

INVENTORY OF PUBLIC PROPERTY

APPERTAINING TO

THE POLICE DEPARTMENT OF THE CITY OF CLEVELAND.

| No. | ARTICLES. | VALUE. |
|-------|---------------------------------|----------|
| 4 | Awnings | \$ 20 00 |
| 1 | Book Rest | 50 |
| 2 | Beds and Bedding | 20 00 |
| 8 | Black Boards | 8 00 |
| 130 | Badges, white | 390 00 |
| 20 | Badges, gilt | 100 00 |
| 13 | Baskets, paper | 2 50 |
| 4 | Baskets, other | 1 25 |
| 140 | Belts | 140 00 |
| 4 | Boxes, letter.... | 1 50 |
| | , shoe..... | 8 00 |
| 10 | Brushes, other | 10 00 |
| 60 | Brooms... .. | 12 00 |
| 18 | Brooms, wisp..... | 2 00 |
| 25 | Buckets, cell..... | 12 50 |
| 20 | Buckets, other..... | 4 00 |
| 1 | Buggy..... | 50 00 |
| 1,152 | Buttons, (8 gross,) gilt.... | 48 00 |
| 5,760 | Buttons, (40 gross), white,.... | 200 00 |
| 3 | Book Cases | 110 00 |
| 1 | Book Rack | 8 00 |
| 200 | Books of Arrests..... | 20 00 |
| 12 | Boxes Pistol Cartridges | 20 00 |
| 3 | Carpets, Brussels.. .. | 20 00 |
| 4 | Carpets, other | 30 00 |
| 8 | City Ordinances..... | 5 00 |
| 8 | City Directories | 32 00 |
| 94 | Chairs, common | 94 00 |
| 69 | Chairs, cane and splint..... | 100 00 |
| 24 | Chimneys, lamp | 1 50 |
| 9 | Clocks..... | 45 00 |
| 30 | Coal, Hard, tons | 120 00 |
| 20 | Coal, Soft, tons | 57 00 |
| 15 | Coal Hods | 10 00 |
| 20 | Coal Stoves..... | 225 00 |

| | | |
|-----|-------------------------------------|--------|
| 5 | Cupboards | 20 00 |
| 8 | Cups, mucilage..... | 1 50 |
| 65 | Cups, tin..... | 5 00 |
| 15 | Chairs, pivotal | 25 00 |
| 1 | Desk, circular | 40 00 |
| 25 | Desks..... | 250 00 |
| 8 | Drop Lights..... | 24 00 |
| 6 | Dust Pans..... | 1 00 |
| Lot | Envelopes, large, boxes | 2 00 |
| Lot | Envelopes, small, boxes | 3 00 |
| 8 | Brasers, ink..... | 1 50 |
| 6 | Feather Dusters ... | 6 00 |
| 17 | Floor Mats | 15 00 |
| 5 | Foot Rugs | 5 00 |
| 7 | Fire Alarm Instruments.... | 200 00 |
| 1 | General Statutes..... | 2 00 |
| 30 | Handcuffs, pairs..... | 60 00 |
| 4 | Hammers | 2 00 |
| 350 | Hose, feet..... | 40 00 |
| 1 | Horse | 100 00 |
| 1 | Harness | 15 00 |
| 30 | Ink Stands. | 20 00 |
| 48 | Ink Bottles, black... | 24 00 |
| 12 | Ink Bottles, red | 3 00 |
| 8 | Ladders, step | 20 00 |
| 20 | Lanterns..... | 15 00 |
| 3 | Letter Presses..... | 25 00 |
| 3 | Lounges | 25 00 |
| 1 | Letter Press Stand | 8 00 |
| Lot | Linoleum | 222 00 |
| 9 | Maps | 25 00 |
| 1 | Matting | 3 00 |
| 6 | Match boxes | 1 20 |
| 10 | Mirrors..... | 15 00 |
| 40 | Mops | 6 00 |
| 5 | Mucilage, bottles | 1 00 |
| 56 | Muskets | 250 00 |
| 1 | Museum Case..... | 150 00 |
| 8 | Oil Cloths, lots..... | 10 00 |
| Lot | Paper, Foolscap, reams..... | 5 00 |
| " | Paper, Letter, reams..... | 8 00 |
| " | Paper, Legal Cap..... | 12 00 |
| " | Paper, Blotting Sheets, small | 50 |
| " | Paper, Blotting Sheets, large..... | 50 |
| 8 | Paper Cutters | 1 00 |
| 6 | Paper Files | 1 00 |
| 8 | Paper Weights | 2 25 |
| 10 | Pads, blotting | 2 00 |
| Lot | Pens, steel | 5 00 |

REPORT OF POLICE COMMISSIONERS.

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| | | |
|-----------------------|----------------------------|--------------|
| Lot | Penholders..... | 50 |
| 9 | Penracks | 90 |
| Lot | Pencils, lead... .. | 4 00 |
| 219 | Police Clubs..... | 219 00 |
| 225 | Police Numbers..... | 12 00 |
| 250 | Police Regulations..... | 125 00 |
| 200 | Police Wreaths..... | 20 00 |
| 2 | Pictures..... | 8 00 |
| 1 | Rake | 25 |
| 2 | Refrigerators | 4 00 |
| 700 | Rogues' Pictures | 350 00 |
| 6 | Rulers..... | 1 50 |
| | Real Estate..... | 100,000 00 |
| 10,000 | Rounds Ammunition..... | 150 00 |
| 3 | Safes | 400 00 |
| 1 | Scythe and Snath | 1 00 |
| 12 | Shovels | 5 00 |
| 1 | Soap, Hard, box... .. | 5 00 |
| 3 | Soap, Soft, barrels..... | 9 00 |
| 40 | Spittoons | 20 00 |
| 10 | Sponges..... | 4 00 |
| 4 | Stands..... | 20 00 |
| 2 | Stools | 2 00 |
| 1 | Sapolio, box | 4 00 |
| 3 | Statues..... | 3 00 |
| 8 | Stretchers..... | 16 00 |
| 28 | Tables | 250 00 |
| Lot | Tags.... | 3 00 |
| 10 | Telegraph Instruments..... | 150 00 |
| 75 | Towels | 15 00 |
| 8 | Towel Racks..... | 2 00 |
| 12 | Twine, balls.... | 50 |
| 13 | Water Coolers | 25 00 |
| 20 | Water Pails | 4 00 |
| 27 | Wardrobes | 50 00 |
| 1 | Wheelbarrow | 1 00 |
| 72 | Window Curtains..... | 50 00 |
| 1 | Wrench | 1 00 |
| 15 | Zinc, sheets.... | 10 00 |
| Total Valuation | | \$105,551 82 |

THE FORCE—Continued.

| Rank. | Name. | Nativity. | First Entry into Service. | Last Appointment. | Remarks. |
|---------------|------------------|---------------|---------------------------|-------------------|----------|
| Sergeant. | E. K. Hutchinson | United States | April 12, 1876 | April 12, 1876 | |
| " | Theo. Keegan | Ireland | " 9, 1869 | " | |
| " | John Barrow | United States | Aug. 7, 1867 | " 14, 1877 | |
| Supt's Clerk. | M. J. Haley | " | April 20, 1872 | " 26, 1876 | |
| Tel. Operator | E. F. Schultz | " | May 6, 1875 | " 12, 1876 | |
| Doorman | S. L. Miller | " | Nov. 7, 1878 | Nov. 7, 1878 | |
| " | Chas. Schroeder | " | " 27, 1878 | " 27, 1878 | |
| Janitor | David Riblett | " | April 12, 1876 | April 12, 1876 | |
| " | Alex. Smith | Ireland | " 19, 1876 | " 7, 1877 | |
| Patrolman, 1. | Wm. Anthony | United States | June 27, 1873 | " 12, 1876 | |
| 2. | M. J. O'Malley | Ireland | May 23, 1871 | " 12, " | |
| 3. | Joseph Stadler | Germany | Sept. 16, 1876 | Sept. 16, 1876 | |
| 4. | G. W. Broadwell | United States | April 14, 1877 | April 14, 1877 | |
| 5. | M. English | Ireland | " 8, 1871 | " 12, 1876 | |
| 6. | A. J. Marx | Germany | Sept. 14, 1870 | " | |
| 7. | John Bashold | " | Jan. 8, 1875 | " | |
| 8. | Geo. J. Griffin | United States | July 12, 1870 | " | |
| 9. | A. Manzelman | Germany | April 20, 1872 | " | |
| 10. | E. Shipman | England | Jan. 31, 1871 | " | |
| 11. | M. Ostermeyer | Germany | Aug. 7, 1867 | " | |
| 12. | B. Rosenfelder | " | May 1, 1866 | " | |
| 13. | Killian Dienst | " | " 1, " | " | |
| 14. | D. W. McCready | United States | March 6, 1878 | March 6, 1878 | |
| 15. | C. C. Thomas | " | April 21, 1872 | April 12, 1876 | |
| 16. | John Dunn | " | Dec. 3, 1870 | " | |
| 17. | Wm. Hilderbrand | Germany | Sept. 21, 1872 | " | |
| 18. | Philip Haggerty | Ireland | May 1, 1866 | " | |
| 19. | Alvin S. Gates | United States | Nov. 13, 1871 | " | |
| 20. | John J. Mollan | Ireland | Aug. 22, 1873 | " | |
| 21. | Peter Willson | England | April 7, 1873 | " | |
| 22. | Patrick Carr | Ireland | Jan. 8, 1875 | " | |
| 23. | Wm. Mylechraine | Isle of Man | Feb. 23, 1872 | " | |
| 24. | John Buechler | Germany | May 1, 1872 | " | |

At Union Depot.

THE FORCE—Continued.

| Rank. | Name. | Nativity | First Entry Into Service. | Last Appointment. | Remarks. |
|--------------|------------------|---------------|---------------------------|-------------------|-------------------------------|
| Patrolman 25 | John Farran | Ireland | May 1, 1866 | April 12, 1876 | |
| " 26 | Joseph Krenzle | Germany | Dec. 2, 1875 | May 31, 1876 | |
| " 27 | Jacob Hammel | " | May 1, 1866 | April 12, 1876 | Detailed Court Duties |
| " 28 | Theo Hathaway | United States | April 20, 1872 | " | |
| " 29 | W. Havelchek | Bohemia | " 20, 1873 | " | |
| " 30 | John Williams | Nova Scotia | " 20, 1872 | " | |
| " 31 | A. D. Hildreth | United States | Jan. 23, 1875 | " | |
| " 32 | William Vane | Germany | Nov. 21, 1871 | " | |
| " 33 | " | " | Jan. 17, 1875 | " | |
| " 34 | " | United States | Dec. 4, 1873 | Dec. 4, 1873 | |
| " 35 | " | England | May 1, 1866 | April 12, 1876 | |
| " 36 | " | United States | Oct. 24, 1877 | Oct. 24, 1877 | Detailed Janitor 2d Precinct. |
| " 37 | " | " | July 23, 1868 | April 12, 1876 | |
| " 38 | Thomas Hoban | Ireland | Sept. 22, 1871 | " | |
| " 39 | M. F. Wood | United States | Sept. 2, 1877 | May 8, 1877 | |
| " 40 | E. S. French | " | Aug. 23, 1866 | April 12, 1876 | |
| " 41 | S. D. Mell | " | April 30, 1873 | " | |
| " 42 | John P. Norton | Ireland | May 8, 1866 | " | |
| " 43 | Geo. W. Willis | United States | May 1, 1866 | " | Detailed Union Depot. |
| " 44 | Christian Hennes | Germany | Sept. 23, 1879 | Sept. 23, 1879 | |
| " 45 | D. A. Writenour | United States | April 24, 1874 | April 12, 1876 | |
| " 46 | Jacob Ganss | Germany | May 30, 1866 | " | |
| " 47 | Patrick O'Malley | Ireland | June 10, 1875 | " | |
| " 48 | F. G. Hanks | United States | Dec. 7, 1876 | Dec. 7, 1876 | |
| " 49 | J. W. Valentine | " | Feb. 12, 1879 | Feb. 12, 1879 | |
| " 50 | Josiah Johnson | " | July 19, 1871 | April 12, 1876 | |
| " 51 | H. T. Fehlhaber | Germany | April 6, 1877 | " 6, 1877 | |
| " 52 | Patrick Corkill | Ireland | April 13, 1869 | " 12, 1876 | Detailed Day Roundman. |
| " 53 | Thomas Thompson | England | Nov. 5, 1872 | " | |
| " 54 | Frank Meyer | Switzerland | Dec. 2, 1879 | Dec. 2, 1879 | |
| " 55 | William Sorge | United States | Nov. 13, 1871 | April 12, 1876 | |
| " 56 | J. W. Johnston | Ireland | " 20, 1876 | Nov. 20, 1876 | |
| " 57 | W. J. Flanagan | United States | May 22, 1879 | May 22, 1879 | |
| " 58 | Richard Reeve | " | April 2, 1873 | April 12, 1876 | |

THE FORCE—Continued.

| Rank. | Name. | Nativity. | First Entry Into Service. | Last Appointment. | Remarks. |
|---------------|---------------------|----------------|---------------------------|-------------------|-------------------------|
| Patrolman 59. | W. S. Lipps. | United States. | April 20, 1873. | April 20, 1876 | Detailed Court Officer. |
| 60. | Wm. Weygrandt. | " | Sept. 4, 1877. | Sept. 4, 1877. | |
| 61. | J. H. Hicks. | " | " | " | |
| 62. | Philip Salmen. | Germany. | June 11, 1873. | April 12, 1876 | |
| 63. | E. A. Boynton. | United States. | Jan. 3, 1878. | Jan. 3, 1878. | |
| 64. | H. Feldcamp. | " | March 9, 1876. | April 12, 1876 | |
| 65. | " | Germany. | Aug. 6, 1873. | " | |
| 66. | " | United States. | Dec. 2, 1879. | Dec. 2, 1879. | |
| 67. | " | Germany. | May 8, 1868. | April 12, 1876. | |
| 68. | " | Ireland. | " 16, 1871. | " | |
| 69. | " | Germany. | " 1, 1866. | " | |
| 70. | Chas. Tressell. | " | Nov. 29, 1860. | " | |
| 71. | Trasner Brown. | United States. | " 13, 1871. | " | |
| 72. | John Burns. | Ireland. | May 8, 1868. | " | |
| 73. | P. J. Luehrs. | Holland. | April 20, 1872. | " | |
| 74. | Jacob Mayers. | Germany. | Nov 13, 1871. | " | |
| 75. | A. A. Lawrence, Jr. | United States. | Nov 29, 1874. | Nov. 29, 1873. | |
| 76. | Peter Kadel. | Germany. | May 8, 1868. | Aug. 16, 1876 | |
| 77. | C. McIlrath. | United States. | May 16, 1871. | April 12, 1876 | |
| 78. | E. W. Bradley. | " | April 29, 1875. | Aug. 2, 1876 | |
| 79. | J. C. Denner. | " | Jan. 21, 1878. | Jan. 21, 1878. | |
| 80. | J. W. Varner. | " | Nov. 27, 1878. | Nov. 27, 1878. | |
| 81. | J. Matzourek. | Bohemia. | May 15, 1874. | April 12, 1876 | |
| 82. | F. R. Douglass. | Ireland. | Nov. 13, 1871. | " | |
| 83. | N. J. Mershon. | United States. | May 20, 1879. | May 20, 1879. | |
| 84. | F. B. Rustace. | " | April 19, 1875. | April 12, 1876. | |
| 85. | J. McCormick. | Ireland. | " 2, 1874. | " | |
| 86. | A. J. Barnes. | United States. | Sept. 7, 1871. | " | |
| 87. | A. M. Blood. | " | Nov. 23, 1874. | " | |
| 88. | D. Cantillon. | Ireland. | Jan. 29, 1875. | June 1, 1876. | |
| 89. | Geo. W. Floyd. | United States. | April 10, 1875. | April 12, 1876. | |
| 90. | F. R. Humpbrey. | England. | Sept. 7, 1871. | " | Detailed Court Duties. |
| 91. | Jas. Edwards. | United States. | " | " | |
| 92. | M. F. Silsby. | " | Mar. 23, 1873. | " | |

THE FORCE—Continued.

| Rank | Name. | Nativity. | First Entry Into Service. | Last Appointment. | Remarks. |
|---------------|--------------------|---------------|---------------------------|-------------------|----------|
| Patrolman 93. | M. W. Murphy | United States | Sept. 7, 1871 | April 12, 1876 | |
| " 94. | Patrick Kennedy | Ireland | June 10, 1875 | " " | |
| " 95. | A. McMillan | Canada | Feb. 23, 1872 | " " | |
| " 96. | J. F. Mewerth | Switzerland | May 1, 1872 | " " | |
| " 97. | Henry Seibel | United States | Feb. 5, 1873 | " " | |
| " 98. | John P. Bramley | England | Nov. 2, 1871 | " " | |
| " 99. | F. J. Lambert | Germany | " 2, " | " " | |
| " 100. | F. C. Lauser | " | " 23, 1872 | " " | |
| " 101. | Chas. Fischer | " | July 17, 1874 | " " | |
| " 102. | S. B. Ciose | United States | Nov. 2, 1871 | " " | |
| " 103. | Frank Kulas | Bohemia | May 16, 1878 | May 16, 1878 | |
| " 104. | J. H. Mangun | Ireland | Sept. 18, 1875 | April 12, 1878 | |
| " 105. | Charles McMaisters | United States | Nov. 27, 1878 | Nov. 27, 1878 | |
| " 106. | F. S. Allison | " | Sept. 23, 1879 | Sept. 23, 1879 | |
| " 107. | " | " | April 9, 1877 | April 9, 1877 | |
| " 108. | " | " | Sept. 21, 1878 | Sept. 21, 1878 | |
| " 109. | " | " | Nov. 6, 1872 | April 12, 1878 | |
| " 110. | James Walte | Bohemia. | " 20, 1874 | " " | |
| " 111. | W. A. Sherman | United States | " 6, 1872 | " " | |
| " 112. | J. W. Francis | " | " 6, " | " " | |
| " 113. | J. Hageman | " | Sept. 9, 1875 | Aug. 2, 1876 | |
| " 114. | J. McGraw | Ireland | April 6, 1877 | April 6, 1877 | |
| " 115. | Wm. O'Brien | " | Jan. 19, 1873 | " 12, 1878 | |
| " 116. | Chas. Miller | United States | March 5, 1876 | " " | |
| " 117. | Isaac Smith | " | April 9, 1879 | April 9, 1879 | |
| " 118. | Philip Heege | Germany | Feb. 5, 1878 | April 12, 1878 | |
| " 119. | A. R. Sidley | United States | Jan. 18, 1878 | Jan. 18, 1878 | |
| " 120. | D. McClusky | Ireland | Feb. 5, 1873 | April 12, 1878 | |
| " 121. | M. H. Stofer | United States | " 5, " | " " | |
| " 122. | J. O'Laughlin | Ireland | " 12, 1873 | " " | |
| " 123. | Wm. Schneearline | United States | Nov. 26, 1874 | " " | |

Detailed Journal 4th Precinct.

NATIVITY.

| COUNTRY. | Dec. 31, 1878. | Dec. 31, 1879. | Increase. | Decrease. |
|--------------------|-------------------|-------------------|-----------|-----------|
| Bohemia..... | 4 | 4 | | |
| Canada | 2 | 2 | | |
| England | 9 | 8 | | 1 |
| Germany | 39 | 39 | | |
| Heligoland | 1 | 1 | | |
| Ireland | 31 | 30 | | 1 |
| Isle of Man..... | 1 | 1 | | |
| Nova Scotia | 1 | 1 | | |
| Switzerland..... | 1 | 2 | 1 | |
| United States..... | 73 | 73 | | |
| Total | 162 | 161 | 1 | 2 |

PAY OF THE FORCE.

AMOUNT ENTITLED TO BE DRAWN BY THE POLICE AND HEALTH
DEPARTMENTS AT FULL TIME.

| No. | OFFICERS. | Yearly Compensa- tion. | Total. | Grand Total. |
|------------------|--------------------------------------|------------------------------|------------|-----------------|
| POLICE. | | | | |
| 1 | Superintendent | \$2,000 00 | \$2,000 00 | |
| 1 | Secretary | 1,200 00 | 1,200 00 | |
| 3 | Captains | 1,296 00 | 3,888 00 | |
| 10 | Lieutenants | 950 00 | 9,500 00 | |
| 8 | Detectives | 950 00 | 7,600 00 | |
| 8 | Sergeants | 875 00 | 7,000 00 | |
| 1 | Superintendent's Clerk | 900 00 | 900 00 | |
| 1 | Operator | 600 00 | 600 00 | |
| 2 | Doormen | 600 00 | 1,200 00 | |
| 1 | Janitor | 720 00 | 720 00 | |
| 1 | Janitor | 700 00 | 700 00 | |
| 1 | Fireman | 600 00 | 600 00 | |
| 120 | Patrolmen | 756 00 | 90,720 00 | |
| 2 | Patrolmen Detailed | 700 00 | 1,400 00 | |
| 1 | Patrolman Detailed | 825 00 | 825 00 | |
| SANITARY. | | | | |
| 1 | Health Officer | 1,200 00 | 1,200 00 | |
| 1 | Sergeant | 720 00 | 720 00 | |
| 4 | District Physicians | 500 00 | 2,000 00 | |
| 1 | District Physician | 300 00 | 300 00 | |
| 2 | District Physicians | 200 00 | 400 00 | |
| 2 | District Physicians | 150 00 | 300 00 | |
| 9 | Sanitary Policemen | 660 00 | 5,940 00 | |
| 1 | Steward Small-Pox Hospital | 550 00 | 550 00 | |
| 1 | Matron Small-Pox Hospital | 550 00 | 550 00 | |
| | | | | \$140,263 00 |

DISTRIBUTION OF THE FORCE.

| WHERE STATIONED. | REGULAR FORCE. | | | | | | | SUBORDINATES. | | | | | Social Cond'n. | | NATIVITY. | | | | | | | | | | | |
|---------------------------|-----------------|------------|-----------|--------------|-------------|------------|------------|-------------------------|---------------------|----------|-----------|----------|----------------|----------|-----------|----------------|----------|----------|----------|---------|--------------|--------------|--------------|-------------|----------|--------|
| | Superintendent. | Secretary. | Captains. | Lieutenants. | Detectives. | Sergeants. | Patrolmen. | Superintendent's Clerk. | Telegraph Operator. | Doormen. | Janitors. | Firemen. | Total. | Married. | Single. | United States. | Germany. | Ireland. | England. | Canada. | Switzerland. | Isle of Man. | Nova Scotia. | Hellgoland. | Bohemia. | Total. |
| Headquarters. | 1 | 1 | 1 | 1 | 6 | 1 | 41 | 1 | 1 | 2 | 1 | 1 | 10 | 8 | 2 | 3 | 4 | 1 | 1 | 1 | | | | | | 10 |
| First Precinct. | | | 1 | 2 | | 1 | 13 | | | | 1 | 1 | 50 | 44 | 7 | 27 | 12 | 4 | 3 | | | | | | | 50 |
| Second Precinct. | | | | 2 | | 1 | 20 | | | | | | 16 | 14 | 2 | 6 | 9 | 2 | 1 | | | | | | | 16 |
| Third Precinct. | | | 1 | 2 | 2 | 1 | 25 | | | | 1 | | 24 | 24 | 3 | 10 | 7 | 8 | 2 | 1 | | 1 | 1 | | | 24 |
| Fourth Precinct. | | | | 2 | | 1 | 8 | | | | | | 31 | 28 | 2 | 12 | 2 | 2 | 1 | | | | | | | 31 |
| Fifth Precinct. | | | | 1 | | 1 | 8 | | | | | | 10 | 8 | 2 | 7 | 4 | 1 | 1 | | | | | | | 10 |
| Sixth Precinct. | | | | 1 | | 1 | 8 | | | | | | 10 | 10 | 1 | 4 | 4 | 2 | | | | | | | | 10 |
| Seventh Precinct. | | | | | | 1 | 8 | | | | | | 10 | 9 | 1 | 4 | 3 | | | | | | | | | 10 |
| Eighth Precinct. | | | | | | | | | | | | | 10 | | | | | | | | | | | | | 10 |
| Total. | 1 | 1 | 3 | 10 | 8 | 8 | 123 | 1 | 1 | 2 | 2 | 1 | 161 | 145 | 17 | 73 | 41 | 30 | 8 | 2 | 1 | 1 | 1 | 4 | | 161 |

APPOINTED DURING THE YEAR.

| Date. | Name. | Age. | Nativity. | Former Occupation. | Social Condition. | Rank. |
|-------------------|------------------------|------|--------------------|----------------------|-------------------|------------|
| February 12 | J. W. Vallentine... | 26 | United States | Clerk..... | Single..... | Patrolman. |
| April 9 | Isaac Smith | 32 | United States | Teamster | Married | Patrolman. |
| May 20 | N. J. Mershon..... | 34 | United States..... | Watchman | Married | Patrolman. |
| May 23 | W. J. Flanigan | 28 | United States..... | Merchant Police..... | Married | Patrolman. |
| September 23..... | F. S. Allison | 33 | United States..... | Wire worker | Single..... | Patrolman. |
| September 23..... | Christian Hennes | 34 | Germany | Teamster | Married | Patrolman. |
| December 2 | Frank Meyer..... | 42 | Switzerland..... | Finisher | Married | Patrolman. |
| December 2..... | Peter Ruckman..... | 36 | United States..... | Railroading | Married... .. | Patrolman. |

MEMBERS OF THE FORCE TRIED DURING THE YEAR

| 1879. | Name. | Rank. | No. | Charge. | Sentence. |
|-------------------|-----------------------|-------------|-----|--------------------------|------------------------------|
| January 15 . | D. A. Writenour | Patrolman.. | 45 | Violating Rules | Reprimand. |
| January 29..... | William Drew | " | 49 | Unbecoming Conduct | Not Guilty. |
| February 14 | William Drew | " | 49 | Incompetency | Dismissed. |
| March 26..... | A. D. Hildreth | " | 31 | Violating Rules | Reprimand. |
| June 17 | P. J. Luehrs..... | " | 73 | Violating Rules | Reprimand. |
| July 5..... | C. McMasters..... | " | 105 | Violating Rules..... | Reprimand and Fine, \$25.00. |
| August 12. | James Edwards | " | 91 | Violating Rules..... | Not Guilty. |
| September 9..... | F. J. Lambert | " | 99 | Sleeping on Duty..... | Reprimand and Fine, \$25.00. |
| September 23..... | James Wall..... | " | 108 | Violating Rules..... | Dismissed. |
| November 4 | Joseph Krenzel | " | 28 | Violating Rules..... | Reprimand. |
| November 25 | Patrick Carr..... | " | 22 | Sleeping on Duty..... | Reprimand. |
| November 25 | Jacob Boyer..... | " | 34 | Violating Rules..... | Reprimand and Fine, \$10.00. |
| December 2 | A. Manzelman | " | 9 | Violating Rules | Not Guilty. |
| December 2 | S. M. Thorman | " | 54 | Drunk on Duty..... | Dismissed. |

CHANGES IN THE DEPARTMENT.

| | Superintendent. | Secretary. | Captains. | Lieutenants. | Sergeants. | Detectives. | Patrolmen. | Superintendent's Clerk | Doormen. | Telegraph Operators. | Janitors. | Fireman. | Total. |
|-------------------------|-----------------|------------|-----------|--------------|------------|-------------|------------|------------------------|----------|----------------------|-----------|----------|--------|
| Remaining last Report | 1 | 1 | 3 | 10 | 8 | 8 | 123 | 1 | 2 | 2 | 2 | 1 | 162 |
| Appointed during year. | | | | | | | 8 | | | | | | 8 |
| Died | | | | | | | 2 | | | | | | 2 |
| Dismissed from Force .. | | | | | | | 3 | | | 1 | | | 4 |
| Resigned | | | | | | | 3 | | | | | | 3 |
| Remaining | 1 | 1 | 3 | 10 | 8 | 8 | 123 | 1 | 2 | 1 | 2 | 1 | 161 |

HEADQUARTERS, PRECINCTS, DISTRIBUTION OF MEN AND STATION HOUSES.

HEADQUARTERS

At City Hall, Rooms Nos. 15 and 16. The Board and Secretary occupy No. 15, the Superintendent and Telegraph Operator No. 16, and Detectives No. 14. No. 15, second floor, is used for store room.

PRECINCTS.

The boundaries of Precincts remain the same as at last Annual Report, and are as follows:

FIRST PRECINCT.—From the Lake shore along Erie street to Cross street, along Cross street to the River, up the River to the A. & G. W. R. R. track, along said track to Tracy street, along Tracy street to the River, along the River to the Lake shore, along the Lake shore to Erie street.

SECOND PRECINCT.—From the Lake shore along Erie street to Euclid avenue, along Euclid avenue to Case avenue, along Case avenue to the Lake shore, along the Lake shore to Erie street.

THIRD PRECINCT.—From Euclid avenue along Erie street to Cross street, along Cross street to Cuyahoga River, up Cuyahoga River to the A. & G. W. R. R. track, along the track to Kingsbury Run, up Kingsbury Run to Willson avenue, along Willson avenue to Garden street, along Garden street to Hayward street, along Hayward street to Prospect street, along Prospect street to Fern Alley, along Fern Alley to Euclid avenue, along Euclid avenue to Erie street.

FOURTH PRECINCT.—From the Lake shore up the River to Tracy street, along Tracy street to the A. & G. W. R. R. track,

along said track to the C. C. C. & I. R. R. track, along said track to the City Limits, south along the City Limits to the Lake shore, along the Lake shore to the River.

FIFTH PRECINCT.—From the A. & G. W. R. R. track along the C. C. C. & I. R. R. track to the City Limits, south, along the City Limits to the River, down the River to the A. & G. W. R. R. track, along said track to the C. C. C. & I. R. R. track.

SIXTH PRECINCT.—From Willson avenue along Quincy street to the City Limits, east, along the City Limits, south, to the north boundary line of the Eighteenth Ward, along said boundary line west to Cuyahoga River, down Cuyahoga River to the A. & G. W. R. R. track, along said track to Kingsbury Run, up Kingsbury Run to Willson avenue, along Willson avenue to Quincy street.

SEVENTH PRECINCT.—From the Lake shore along Case avenue to Euclid avenue, along Euclid avenue to Fern alley, along Fern alley to Prospect street, along Prospect street to Hayward street, along Hayward street to Garden street, along Garden street to Willson avenue, along Willson to Quincy street, along Quincy street to City Limits, east, along the City Limits to the Lake shore, north along the Lake shore to Case avenue.

EIGHTH PRECINCT.—All the territory in the Eighteenth Ward, bounded on the north by Union street; on the east, south and west by the limits of the city.

DISTRIBUTION OF FORCE.

| | |
|---|----|
| <i>Headquarters</i> —One Superintendent, one Captain, one Secretary, six Detectives, one Operator | 10 |
| <i>First Precinct</i> —One Captain, two Lieutenants, one Sergeant, forty-one Patrolmen, one Superintendent's Clerk, two Doormen, one Janitor, one Fireman | 50 |
| <i>Second Precinct</i> —Two Lieutenants, one Sergeant, thirteen Patrolmen | 16 |

| | |
|--|-----|
| <i>Third Precinct</i> —Two Lieutenants, one Sergeant, twenty Patrolmen, one Janitor | 24 |
| <i>Fourth Precinct</i> —One Captain, two Lieutenants, two Detec- tives, one Sergeant, twenty-five Patrolmen . . . | 31 |
| <i>Fifth Precinct</i> —Two Sergeants, eight Patrolmen | 10 |
| <i>Seventh Precinct</i> —One Lieutenant, one Sergeant, eight Patrolmen | 10 |
| <i>Eighth Precinct</i> —One Lieutenant, one Sergeant, eight Patrolmen | 10 |
| <hr/> | |
| Total | 161 |

STATION HOUSES.

The Station Houses are located as follows:

First Precinct—On Champlain street, west of Seneca. This Station contains the offices of the Police Clerk, Captain of the Eastern District, and the Police Court Room.

Second Precinct—Station House is situated on the corner of Nevada and Oregon streets.

Third and Sixth Precincts—On Forest street, between Croton street and Woodland avenue.

Fourth Precinct—On Detroit street, near Pearl. Is the headquarters of the Western District (Fourth and Fifth Precincts), and contains the office of Captain McMahon.

Fifth Precinct—On Barber avenue, east of Columbus street.

Seventh Precinct—Room No. 1220 Euclid avenue, near Willson avenue.

Eighth Precinct—Station is located on Wales street, Eighteenth Ward.

HEALTH STATEMENT.

| MONTH. | Days Requir'd to be Served. | Days Served. | Absentees. | | Total. | Average Strength of Force. |
|----------------|--------------------------------------|-----------------|------------|------------------|--------|----------------------------------|
| | | | Sickness | Other Causes. | | |
| January..... | 4,991 | 4,914 | 61 | 16 | 77 | 161.00 |
| February..... | 4,504 | 4,383 | 100 | 21 | 121 | 160.86 |
| March..... | 4,990 | 4,822 | 138 | 30 | 168 | 160.96 |
| April..... | 4,821 | 4,707 | 95 | 19 | 114 | 160.70 |
| May..... | 4,977 | 4,825 | 123 | 29 | 152 | 160.55 |
| June | 4,770 | 4,599 | 106 | 65 | 171 | 159.00 |
| July | 4,929 | 4,745 | 92 | 92 | 184 | 159.00 |
| August..... | 4,929 | 4,777 | 80 | 72 | 152 | 159.00 |
| September..... | 4,774 | 4,628 | 118 | 28 | 146 | 159.13 |
| October..... | 4,960 | 4,766 | 122 | 72 | 194 | 160.00 |
| November..... | 4,800 | 4,673 | 81 | 46 | 127 | 160.00 |
| December..... | 4,958 | 4,896 | 96 | 26 | 122 | 159.94 |
| Total..... | 58,403 | 56,675 | 1,212 | 516 | 1,728 | 160.01 |

Average yearly attendance—each man... ..354.21 days.
Average yearly absence—each man 10.79 days.
Average daily loss of time..... 4.73 men.
Average daily loss of time by sickness..... 3.32)
Average daily loss of time from other causes..... 1.41) 4.73 men.

STATION HOUSES.

The Station Houses now in use, with the exception of the Central, are in as good condition as could be expected. Some of them should be improved and made more comfortable for the Force and prisoners. The condition of the Police Court Fund, from which all repairs and cost of building Station Houses is paid, has been such as to prevent any large outlay, though the Board has been compelled to incur some expense upon the Fourth Precinct. The building in the Eighth Precinct, although nearly new, having been in use but six years, is in bad condition, consequent upon the faulty condition of the foundations, which were insufficient, and hence settled so as to derange levels and cause much inconvenience in the use of cages. This has been remedied with trifling expense, but before long repairs must be made to make this structure serviceable.

In this connection it may be proper to call attention to the fact that several of the Station Houses are still provided with stone cells, when every consideration of humanity and a regard for the health and comfort of the Force and prisoners demand that the iron cages should be substituted as soon as the expense can be provided for.

The Board again most respectfully call your attention to the condition of the Central Station. This building was erected when the number of arrests was less than one thousand per year, and when the entire police force of the city was about one-half the number now on duty in the 1st precinct. The police business of the entire city to a great extent centers in this building. The Police Court is held here and all prisoners are brought here for trial. That the building is damp, uncomfortable,

unhealthy, badly arranged, and a scandal on the fair name of our city, and that the Grand Jury of the county some years since condemned it as a nuisance, are facts well known to your honorable body, and the Board again most respectfully but earnestly request you to give this subject the attention it deserves and that the work may be done as soon as possible.

ANNUAL REPORT
OF
The Detective Department,
FOR THE
YEAR ENDING DECEMBER 31st, 1879.

To the Honorable Board of Police Commissioners:

GENTLEMEN:—I hereby submit to your Honorable Board of Police Commissioners the Annual Report of the Detective Department for the year ending December 31, 1879.

Respectfully submitted,

J. W. SCHMITT,

Supt. of Police.

Report of Detective Department.

CLEVELAND, O., January 1, 1880.

J. W. Schmitt, Sup't of Police:

SIR :—The following is a report of the labor performed by the Detective Department during the year ending December 31st, 1879.

THE FOLLOWING ARRESTS WERE MADE DURING THE YEAR :

| | |
|--|----|
| Adultery | 1 |
| Assault and battery..... | 4 |
| Assault with intent to rape | 1 |
| Assault and threatening..... | 1 |
| Buying and receiving stolen property | 3 |
| Bastardy | 1 |
| Burglary..... | 13 |
| Carrying concealed weapons | 4 |
| Car breaking | 6 |
| Common beggar..... | 1 |
| Cruelty to minors | 1 |
| Drunk. | 17 |
| Disturbance..... | 5 |
| Destroying property..... | 3 |
| Disorderly conduct | 6 |
| Embezzlement | 2 |
| Forgery | 3 |
| Fugitives..... | 2 |
| Falsely personating other persons | 1 |
| Grand larceny | 11 |
| Gambling | 2 |
| Horse stealing..... | 2 |
| Highway robbery..... | 1 |
| Incorrigible conduct..... | 1 |
| Indecent conduct | 1 |
| Insane..... | 1 |
| Keeping house of ill fame | 1 |
| Keeping gambling house..... | 1 |

| | |
|--|-----|
| Murder | 1 |
| Obtaining money by false pretenses | 7 |
| Obtaining goods by false pretenses | 9 |
| Petit larceny | 41 |
| Prize fighting | 2 |
| Peddling without license | 1 |
| Robbery | 1 |
| Residing in house of ill fame | 10 |
| Suspicion | 24 |
| Violating pawn broker law | 5 |
| Violating United States internal revenue law | 1 |
| Total | 198 |

STOLEN PROPERTY RECOVERED.

| | |
|-----------------|------------|
| January | \$1,276 00 |
| February | 307 30 |
| March | 1,322 50 |
| April | 309 20 |
| May | 206 00 |
| June | 421 50 |
| July | 946 75 |
| August | 1,418 00 |
| September | 324 75 |
| October | 388 50 |
| November | 213 00 |
| December | 382 50 |
| Total | \$7,516 00 |

Much valuable assistance has been rendered to officers from abroad in their search after criminals, and 29 parties arrested here on felonious charges have been remanded to officers of the following cities:

| | |
|-------------------------|----|
| Pittsburgh, Pa | 3 |
| Parisburgh, Ohio..... | 1 |
| Chicago, Ill.... | 1 |
| Norwalk, Ohio | 1 |
| Lexington, Ky | 1 |
| Columbus, Ohio..... | 1 |
| House of Correction ... | 1 |
| Lowell, Mass..... | 1 |
| London, Ohio..... | 6 |
| Ashtabula, Ohio..... | 1 |
| Lebanon, Ohio..... | 1 |
| Vermillion, Ohio..... | 4 |
| Calhoun, Mich..... | 1 |
| Canton, Ohio ... | 1 |
| Clyde, Ohio..... | 1 |
| Elyria, Ohio | 1 |
| Ann Arbor, Mich.... | 1 |
| Monroeville, Ohio | 1 |
| Binghamton, N. Y | 1 |
| Total | 29 |

REPORT OF EMIGRANT OFFICER.

Detective Henry Schroeder reports as follows:

I have the honor of submitting the following report for the year ending December 31, 1879. 12,768 emigrants arrived in this city, of whom 9,940 came via the L. S. & M. S., 1,522 via the C. & P. and 1,306 via the A. & G. W. R. R. 1,010 settled in this city from different nations as follows: Germans, 379; Bohemians, 225; Irish, 167; English, 124; Hungarians, 98; Swedes, 10, and Italians, 7. The emigrants have now better accommodation at the Union Depot, because the company has furnished them with a waiting room. There were very few cases of emigrants who were destitute or applied for aid, and I have also the pleasure of reporting that in no instance were the emigrants swindled while stopping in this city.

Yours Respectfully,

HENRY SCHROEDER,

Detective.

The following abstract shows the number of emigrants passing through the city, roads by which they came, number settling in the city, and their nationality, for the year ending December 31, 1879.

RAILROADS.

| MONTH. | RAILROADS. | | | |
|----------------------|---------------|---------|------------|--------|
| | L. S. & M. S. | C. & P. | A. & G. W. | Total. |
| January | 240 | 36 | 52 | 328 |
| February | 262 | 68 | 62 | 392 |
| March..... | 547 | 185 | 165 | 897 |
| April | 734 | 196 | 154 | 1,084 |
| May | 1,786 | 236 | 112 | 2,134 |
| June | 1,280 | 130 | 107 | 1,517 |
| July..... | 1,013 | 96 | 75 | 1,184 |
| August..... | 978 | 145 | 120 | 1,243 |
| September | 828 | 140 | 130 | 1,098 |
| October..... | 961 | 139 | 103 | 1,203 |
| November | 743 | 89 | 130 | 962 |
| December | 568 | 62 | 96 | 726 |
| Total..... | 9,940 | 1,522 | 1,306 | 12,768 |

SETTLED IN CITY,

| MONTH. | Germans. | Bohemians. | English. | Irish. | Hungarian. | Swedes. | Italians. | Total. |
|-----------------|----------|------------|----------|--------|------------|---------|-----------|--------|
| January | 5 | 4 | 0 | 6 | 3 | 0 | 0 | 18 |
| February | 17 | 8 | 4 | 6 | 8 | 0 | 0 | 38 |
| March | 14 | 9 | 12 | 7 | 5 | 0 | 0 | 47 |
| April | 84 | 18 | 15 | 13 | 9 | 0 | 0 | 130 |
| May | 63 | 38 | 17 | 29 | 11 | 4 | 0 | 162 |
| June | 52 | 28 | 13 | 31 | 0 | 0 | 0 | 124 |
| July | 21 | 12 | 7 | 18 | 6 | 0 | 0 | 64 |
| August | 21 | 18 | 9 | 17 | 5 | 0 | 0 | 70 |
| September | 16 | 22 | 10 | 7 | 3 | 0 | 0 | 58 |
| October | 38 | 20 | 14 | 9 | 8 | 0 | 7 | 105 |
| November | 26 | 23 | 14 | 18 | 32 | 6 | 0 | 119 |
| December | 22 | 16 | 9 | 6 | 13 | 0 | 0 | 66 |
| Total | 379 | 225 | 124 | 167 | 98 | 10 | 7 | 1010 |

COMMUNICATIONS FROM ABROAD.

During the year the following communications were received:

| | |
|------------------------------|-------|
| Letters | 607 |
| Postal Cards | 314 |
| Telegraphic Dispatches | 302 |
| Circulars | 151 |
| Total | 1,474 |

All of which received our attention, requiring the time and labor of the department.

Respectfully submitted,
H. M. HOLZWORTH.
Captain of Detectives.

STATISTICAL TABLES.

The following Statistical Tables show the result of the labors of the Force for the year ending December 31st, 1879, in detail.

SALOONS, HOUSES OF ILL-FAME THIEVES, ETC.

| | PRECINCTS. | | | | | | | Total.—1879. | Total.—1878. | Increase. | Decrease. |
|------------------------------|------------|---------|------------------|---------|--------|----------|---------|--------------|--------------|-----------|-----------|
| | First. | Second. | Third and Sixth. | Fourth. | Fifth. | Seventh. | Eighth. | | | | |
| Saloons | 355 | 142 | 265 | 330 | 108 | 47 | 61 | 1,308 | 1,342 | .... | 34 |
| Houses of ill-fame ... | 50 | .... | 4 | .... | .... | .... | .... | 54 | 81 | ... | 27 |
| Inmates of same | 122 | .. | 7 | .... | .... | .. | .... | 129 | 135 | .... | 6 |
| Assignment houses | 18 | .... | 2 | 5 | .... | .... | .... | 25 | 14 | 11 | .... |
| Prostitutes in rooms | 35 | 8 | 5 | .... | .... | .... | .... | 48 | 84 | ... | 36 |
| Gambling houses | 8 | .... | .... | 4 | .... | .... | .... | 12 | 17 | .... | 5 |
| Common gamblers | 27 | .... | .... | 6 | .. | 1 | .... | 34 | 19 | 15 | .. |
| Thieves and Suspicious per'n | 36 | 23 | 7 | 36 | 3 | .... | .... | 110 | 146 | .... | 36 |
| Resort for thieves | 28 | 1 | .. | .... | .... | .... | .... | 29 | 26 | 3 | .... |
| Receiving stolen goods | 12 | .... | 5 | .... | ... | .... | .... | 17 | .... | .... | ... |

OFFENSES.

STATE.

| | Males. | Females. | Total. |
|---|--------|----------|--------|
| Abusing officer..... | 1 | | 1 |
| Adultery ... | 1 | 2 | 3 |
| Aiding and abetting prize fighting..... | 1 | | 1 |
| Assault and battery | 306 | 87 | 343 |
| " " threating | 2 | | 2 |
| " with intent to kill | 12 | | 12 |
| " " " " rape | 6 | | 6 |
| Assaulting officer | 28 | | 28 |
| Burglary | 32 | | 32 |
| " and larceny | 11 | | 11 |
| Buying and receiving stolen property... | 4 | 1 | 5 |
| Carrying concealed weapons... | 36 | 1 | 37 |
| Coining counterfeit money..... | 1 | | 1 |
| Concealing stolen property .. | 1 | | 1 |
| Contempt of Court ... | 19 | 1 | 20 |
| Cruelty to animals... | 25 | | 25 |
| " " children..... | 5 | 6 | 11 |
| Cutting with intent to kill | 2 | | 2 |
| " " " " wound | 11 | | 11 |
| Destroying property | 112 | 5 | 117 |
| Disturbing religious meeting | 1 | | 1 |
| Dog fighting..... | 16 | | 16 |
| Embezzlement | 10 | | 10 |
| Empiricism | 1 | | 1 |
| Forgery | 3 | | 3 |
| Fornication..... | 3 | 1 | 4 |
| Fugitive from justice..... | 5 | | 5 |

OFFENSES—STATE—*Continued.*

| | Males. | Females. | Total. |
|---|--------|----------|--------|
| Gambling..... | 10 | | 10 |
| Grand larceny..... | 38 | 9 | 47 |
| Having in possession obscene model | 4 | | 4 |
| Horse stealing..... | 15 | | 15 |
| House breaking..... | 2 | 1 | 3 |
| " " and larceny..... | 1 | | 1 |
| Incest..... | 1 | | 1 |
| Incorrigible conduct..... | 42 | 3 | 45 |
| Inducing illicit intercourse | | 2 | 2 |
| Inoxication..... | 22 | 8 | 30 |
| Keeping house of ill-fame | 3 | | 3 |
| Maliciously injuring property..... | 5 | | 5 |
| Murder | 1 | | 1 |
| • Manslaughter..... | 1 | | 1 |
| Obstructing officer..... | 29 | 3 | 32 |
| Obtaining property by false pretenses..... | 21 | 4 | 25 |
| " money " " | 31 | 1 | 32 |
| Passing counterfeit money.. .. | 3 | 2 | 5 |
| Permitting and inducing illicit intercourse... .. | 1 | | 1 |
| Personating another..... | 1 | | 1 |
| " officer..... | 2 | | 2 |
| Petit larceny..... | 293 | 44 | 337 |
| Pointing and aiming a pistol at a person | 1 | | 1 |
| Prize fighting..... | 4 | | 4 |
| Provoking a breach of the peace | 1 | | 1 |
| Rape | 1 | | 1 |
| Receiving stolen property | 6 | | 6 |
| " and secreting stolen property | 1 | | 1 |
| Refusing to assist an officer | 1 | | 1 |
| Resisting officer..... | 27 | | 27 |
| Robbery | 9 | | 9 |
| Selling liquor to minors..... | 1 | 1 | 2 |

OFFENSES—CITY—*Continued.*

| | Males. | Females. | Total. |
|---|--------|----------|--------|
| Vagrancy..... | 195 | 20 | 215 |
| Violating auction ordinance..... | 1 | | 1 |
| “ bathing “ | 36 | | 36 |
| “ billiard “ | 3 | | 3 |
| “ bootblack “ | 9 | | 9 |
| “ bridge “ | 7 | | 7 |
| “ cab “ | 23 | | 23 |
| “ cemetery “ | 1 | | 1 |
| “ dog “ | 1 | | 1 |
| “ exhibition “ | 1 | | 1 |
| “ express “ | 7 | | 7 |
| “ fire “ | 3 | | 3 |
| “ fire arms “ | 16 | 1 | 17 |
| “ gambling “ | 16 | | 16 |
| “ health “ | 66 | 5 | 71 |
| “ junk “ | 4 | | 4 |
| “ kite and ball “ | 4 | | 4 |
| “ market “ | 24 | | 24 |
| “ music “ | 3 | 2 | 5 |
| “ park “ | 9 | 1 | 10 |
| “ pawn broker “ | 1 | | 1 |
| “ peddlers “ | 24 | | 24 |
| “ pound “ | 20 | 5 | 25 |
| “ property “ | 26 | | 26 |
| “ place of public resort ordinance..... | 1 | | 1 |
| “ railroad ordinance. | 18 | | 18 |
| “ sidewalk “ | 181 | 1 | 182 |
| “ street “ | 61 | 2 | 63 |
| “ street railroad “ | 2 | | 2 |
| “ street music “ | 1 | | 1 |
| “ Sunday “ “ | 8 | | 8 |

OFFENSES.

CITY.

| | Males. | Females. | Total. |
|--|--------|----------|--------|
| Abusing family..... | 89 | | 89 |
| Careless driving..... | 28 | 2 | 28 |
| Common beggars..... | 9 | 2 | 11 |
| " prostitutes..... | | 31 | 31 |
| Disorderly conduct..... | 389 | 98 | 485 |
| Disturbance..... | 418 | 72 | 490 |
| Fast driving..... | 12 | | 12 |
| Habitual disturber of the peace..... | 13 | 2 | 15 |
| " drunkards..... | 5 | 3 | 8 |
| Indecent Conduct..... | 39 | 35 | 74 |
| " exposure of person..... | 15 | | 15 |
| " language..... | | 1 | 1 |
| Intoxication..... | 2,175 | 300 | 2,535 |
| Keeping disorderly house..... | 6 | 1 | 7 |
| " gambling house..... | 7 | | 7 |
| " house of ill-fame..... | 9 | 31 | 40 |
| Lewd behavior..... | 1 | | 1 |
| " language..... | 1 | | 1 |
| Permitting rooms to be occupied for gambling purposes..... | 1 | | 1 |
| Renting rooms for gambling purposes..... | 1 | | 1 |
| Residing in house of ill-fame .. | 7 | 75 | 82 |
| Suspicious person..... | 198 | 14 | 212 |

OFFENSES—CITY—*Continued.*

| | Males. | Females. | Total. |
|---|--------|----------|--------|
| Vagrancy..... | 195 | 20 | 215 |
| Violating auction ordinance..... | 1 | | 1 |
| “ bathing “..... | 36 | | 36 |
| “ billiard “..... | 3 | | 3 |
| “ bootblack “..... | 9 | | 9 |
| “ bridge “..... | 7 | | 7 |
| “ cab “..... | 23 | | 23 |
| “ cemetery “..... | 1 | | 1 |
| “ dog “..... | 1 | | 1 |
| “ exhibition “..... | 1 | | 1 |
| “ express “..... | 7 | | 7 |
| “ fire “..... | 3 | | 3 |
| “ fire arms “..... | 16 | 1 | 17 |
| “ gambling “..... | 16 | | 16 |
| “ health “..... | 66 | 5 | 71 |
| “ junk “..... | 4 | | 4 |
| “ kite and ball “..... | 4 | | 4 |
| “ market “..... | 24 | | 24 |
| “ music “..... | 3 | 2 | 5 |
| “ park “..... | 9 | 1 | 10 |
| “ pawn broker “..... | 1 | | 1 |
| “ peddlers “..... | 24 | | 24 |
| “ pound “..... | 20 | 5 | 25 |
| “ property “..... | 26 | | 26 |
| “ place of public resort ordinance..... | 1 | | 1 |
| “ railroad ordinance..... | 18 | | 18 |
| “ sidewalk “..... | 181 | 1 | 182 |
| “ street “..... | 61 | 2 | 63 |
| “ street railroad “..... | 2 | | 2 |
| “ street music “..... | 1 | | 1 |
| “ Sunday “ “..... | 8 | | 8 |

OFFENSES—CITY—*Continued.*

| | Males | Females. | Total. |
|--|-------|----------|--------|
| Violating Sunday liquor ordinance..... | 83 | 3 | 86 |
| “ Viaduct “..... | 9 | | 9 |
| “ waiter girl “..... | 1 | 2 | 3 |
| “ water works “..... | 5 | 1 | 6 |
| “ weights and measures ordinance... .. | 2 | | 2 |
| Visiting house of ill-fame | 75 | 14 | 89 |
| Total..... | 4,318 | 728 | 5,100 |
| MISCELLANEOUS. | | | |
| Desertion from United States army | 2 | | 2 |
| Insane | 4 | 1 | 5 |
| Total..... | 6 | 1 | 7 |

RECAPITULATION.

| | Males. | Females. | Total. |
|---------------------------------|--------|----------|--------|
| Violating State laws | 1,310 | 132 | 1,442 |
| Violating city ordinances | 4,318 | 728 | 5,100 |
| Miscellaneous | 6 | 1 | 7 |
| Total | 5,634 | 915 | 6,549 |

OCCUPATIONS.

| OCCUPATION. | No. | OCCUPATION. | No. |
|---------------------------------|-----|-------------------------|-----|
| Actors | 2 | Brass Moulders..... | 1 |
| Agents..... | 33 | Brewers | 12 |
| Architects..... | 1 | Brick Layers | 16 |
| Artists..... | 2 | Brick Makers.. .. | 7 |
| Assistant Superintendents | 1 | Bridge Builder..... | 1 |
| Axe Makers | 5 | Broom Makers | 3 |
| Axle Turners..... | 1 | Brothel Keepers | 40 |
| Bakers | 31 | Brokers..... | 2 |
| Bankers..... | 1 | Brush Makers | 3 |
| Barbers | 48 | Builders | 3 |
| Bar Tenders | 35 | Butchers..... | 129 |
| Basket Makers | 11 | Cabinet Makers | 12 |
| Beer Peddlers | 5 | Canvassers | 3 |
| Beggars..... | 5 | Captains | 1 |
| Bell boys | 1 | Car Drivers..... | 2 |
| Belt Makers | 1 | Card Writers | 2 |
| Bill Posters... .. | 2 | Carpenters..... | 148 |
| Blacksmiths | 80 | Carpet Layers... .. | 1 |
| Boatmen. | 16 | Carriage Makers .. | 1 |
| Boiler Makers..... | 50 | Carriage Painters | 4 |
| Bolt Makers | 3 | Carriage Trimmers... .. | 2 |
| Book Binders..... | 5 | Carvers | 5 |
| Book Keepers .. | 24 | Cash Boys | 3 |
| Bootblacks | 35 | Cattle Dealers..... | 2 |
| Box Makers | 9 | Chain Makers | 1 |
| Brakemen | 15 | Chair Makers.. .. | 2 |

OCCUPATIONS—*Continued.*

| OCCUPATION. | No. | OCCUPATION. | No. |
|----------------------------|-----|--------------------------|-----|
| Cheese Dealers..... | 1 | Draughtsmen | 1 |
| Cheese Makers | 1 | Draymen | 2 |
| Chimney Sweeps... .. | 3 | Dredgemen... .. | 4 |
| Cigar Dealers | 1 | Dress Makers | 4 |
| Cigar Makers..... | 43 | Drivers | 2 |
| Civil Engineers..... | 1 | Drovers... .. | 11 |
| Clerks | 94 | Druggists..... | 7 |
| Clothiers | 1 | Electricians | 1 |
| Coachman | 3 | Engineers | 42 |
| Coal Dealers..... | 5 | Errand Boys | 4 |
| Coffee Makers | 3 | Expressmen..... | 26 |
| Collectors | 3 | Farmers | 182 |
| Clog Dancer... .. | 1 | Fence Builders..... | 1 |
| Coal Heaver..... | 1 | File Cutters | 3 |
| Collar Makers..... | 1 | File Grinders | 1 |
| Comedians | 1 | File Makers | 1 |
| Commission Merchants | 1 | Finishers | 3 |
| Commercial Travelers | 3 | Firemen | 32 |
| Conductors..... | 1 | Fish Dealers..... | 5 |
| Confectioners | 8 | Fish Peddlers | 4 |
| Constables | 2 | Florists | 8 |
| Contractors | 6 | Foremen..... | 3 |
| Cooks | 42 | Foundry Men | 2 |
| Coopers | 72 | Fresco Artists..... | 1 |
| Cotton Spinners..... | 1 | Fruit Dealers..... | 1 |
| Cow Boys... .. | 7 | Furniture Dealers | 3 |
| Cutters | 1 | Furnace Men..... | 4 |
| Deck Hands..... | 4 | Gas Fitters | 4 |
| Dentists | 2 | Gamblers | 18 |
| Detectives | 2 | Gardeners | 15 |
| Ditchers | 1 | Glass Blowers... .. | 1 |
| Delivery Clerk | 1 | Glue Manufacturers... .. | 2 |
| Doctors | 7 | d rs..... | 7 |

OCCUPATIONS—*Continued.*

| OCCUPATION. | No. | OCCUPATION. | No. |
|-----------------------|-----|----------------------|-------|
| Grocers..... | 14 | Laborers..... | 1,129 |
| Grooms..... | 1 | Lake Captains.... | 1 |
| Gunsmiths..... | 2 | Lamp Makers | 3 |
| Hack Men..... | 63 | Landlords..... | 1 |
| Hair Dressers | 2 | Lathers | 2 |
| Harness Makers..... | 10 | Laundresses..... | 3 |
| Hatters..... | 5 | Laundrymen | 6 |
| Headers..... | 1 | Lawyers | 23 |
| Heaters.... | 8 | Lead Workers..... | 1 |
| Helpers | 6 | Leather Finishers .. | 2 |
| Horse Dealers..... | 9 | Liquor Dealers..... | 3 |
| Horse Clippers | 1 | Livery Keepers | 6 |
| Hammers Men | 1 | Livery Men..... | 4 |
| Horsemen | 14 | Lumber Dealers..... | 6 |
| Horse Jockeys..... | 2 | Machinists..... | 94 |
| Horse Shoer..... | 1 | Mail Carriers | 1 |
| Hostlers | 60 | Manufacturers | 2 |
| Hotel Keepers..... | 4 | Marble Cutters..... | 13 |
| Hotel Runners..... | 2 | Malsters | 1 |
| House Keepers..... | 362 | Masons | 40 |
| House Movers..... | 2 | Mechanics | 3 |
| Hucksters | 14 | Merchants | 23 |
| Ice Dealers..... | 3 | Milk Peddlers | 10 |
| Ice Peddlers..... | 3 | Millers | 52 |
| Inspectors | 1 | Millwrights..... | 1 |
| Insurance Agents..... | 2 | Miners | 2 |
| Iron Workers | 6 | Moulders | 99 |
| Janitors | 6 | Musicians | 22 |
| Joiners | 3 | Music Teachers | 1 |
| Journalists | 3 | News Agent..... | 1 |
| Junk Dealers | 14 | News Boys..... | 18 |
| Kalsominers..... | 2 | No occupation | 378 |
| Knitters | 1 | Nurses | 3 |

OCCUPATIONS—*Continued.*

| OCCUPATIONS. | No. | OCCUPATION. | No. |
|---------------------------|-----|-----------------------------|-----|
| Nut and Bolt Makers | 10 | Railroad Men | 88 |
| Oil Compounders | 1 | Real Estate Agents | 3 |
| Oil Refiners | 7 | Reporters | 2 |
| Organ Makers | 1 | Restaurant Keepers | 2 |
| Painters | 105 | Riggers | 2 |
| Packers | 4 | Rolling Mill Men | 84 |
| Paper Carriers | 2 | Roughers | 3 |
| Paper Hangers | 5 | Roofers | 13 |
| Paper Manufacturers | 4 | Rope Makers | 2 |
| Patent Rights Men | 1 | Rulers | 2 |
| Pattern Makers | 1 | Saddlers | 1 |
| Pawn Brokers | 5 | Sailors | 220 |
| Peddlers | 115 | Salesmen | 25 |
| Phrenologists | 2 | Saloon Keepers | 160 |
| Plater | 1 | Sash and Blind Makers | 1 |
| Planers | 2 | Sausage Makers | 1 |
| Plasterers | 12 | Saw Makers | 1 |
| Plumbers | 19 | Sawyers | 2 |
| Policemen | 1 | Scalpers | 1 |
| Polishers | 12 | School Boys | 272 |
| Pop Manufacturer | 1 | School Girls | 6 |
| Pool Seller | 1 | School Teachers | 2 |
| Porters | 12 | Screw Makers | 2 |
| Pond Keepers | 4 | Seamstresses | 8 |
| Pressmen | 1 | Servants | 87 |
| Printers | 56 | Sewer Pipe Makers | 1 |
| Private Watchmen | 7 | Sewer Builders | 1 |
| Professor | 1 | Sewing Machine Men | 4 |
| Prostitutes | 350 | Ship Carpenters | 13 |
| Puddlers | 11 | Shoemakers | 84 |
| Quarry Men | 10 | Shop Lifters | 6 |
| Rag Peddlers | 2 | Show Case Maker | 1 |
| Rag Pickers | 2 | Show Men | 3 |

OCCUPATIONS—*Continued.*

| OCCUPATION. | No. | OCCUPATIONS. | No. |
|---------------------------|-----|---------------------------|-------|
| Silver Polisher | 1 | Tinsmiths | 45 |
| Slaters | 1 | Tobacconists | 1 |
| Soap Makers | 1 | Toll-gate Keepers... .. | 1 |
| Soldiers.... .. | 7 | Tool Makers..... .. | 6 |
| Spar Makers..... .. | 1 | Traders... .. | 4 |
| Speculators..... .. | 4 | Trimmers..... .. | 2 |
| Snake Tamers | 2 | Tramps | 6 |
| Spinners | 1 | Trunk Makers..... .. | 2 |
| Spring Makers..... .. | 16 | Tug Men | 2 |
| Spring Bed Makers | 1 | Turners..... .. | 1 |
| Spoolers | 3 | Umbrella Makers | 3 |
| Spool Makers... .. | 1 | Undertakers..... .. | 3 |
| Steel Workers..... .. | 4 | Upholsterers | 3 |
| Steam Fitters | 3 | Ushers | 1 |
| Still Men.... .. | 1 | Varnishers | 1 |
| Stevedores..... .. | 1 | Veterinary Surgeons | 1 |
| Stone Cutters | 23 | Wagon Makers..... .. | 2 |
| Stone Masons | 14 | Walters | 42 |
| Stewards | 2 | Wash Board Makers | 1 |
| Stove Mounters | 5 | Washer Women..... .. | 2 |
| Students... .. | 11 | Watch Makers... .. | 6 |
| Surveyors | 1 | Weavers | 2 |
| Switchmen | 3 | Weighers | 1 |
| Tailors | 39 | Well Diggers | 7 |
| Tailoresses..... .. | 1 | Whip Makers | 1 |
| Tanners... .. | 4 | White Washers..... .. | 8 |
| Teachers..... .. | 1 | White Lead Makers..... .. | 1 |
| Teamsters | 166 | Wire Workers. | 32 |
| Telegraph Operators. | 6 | Wood Workers..... .. | 2 |
| Thieves | 11 | | |
| Tinkers | 6 | Total..... .. | 6,549 |

NATIVITY.

| | No. | | No. |
|----------------------|-------|---------------------|-------|
| Austria | 5 | Italy | 12 |
| Bavaria | 2 | Newfoundland | 3 |
| Bohemia | 146 | Norway | 3 |
| Canada | 279 | Nova Scotia | 4 |
| China | 6 | Poland | 34 |
| Danish America | 1 | Russia | 7 |
| Denmark | 9 | Scotland | 115 |
| England | 334 | South Wales | 2 |
| France | 16 | Spain | 3 |
| Germany | 741 | Sweden | 7 |
| Holland | 11 | Switzerland | 18 |
| Hungary | 7 | United States | 3,507 |
| Ireland | 1,210 | Wales | 59 |
| Isle of Man | 5 | West Indies | 2 |
| Isle of Wight | 1 | Total | 6,549 |

MONTHLY STATEMENT OF ARRESTS.

| MONTH. | Social Cond'n. | | Educa- tion. | | Sex. | | Males. | | Females | | Color. | | Total. |
|----------------|-------------------|---------|-----------------|--------|-------|----------|----------|---------|----------|---------|--------|----------|--------|
| | Married. | Single. | Read and Write. | Unable | Male. | Females. | Married. | Single. | Married. | Single. | White. | Colored. | |
| January | 140 | 239 | 331 | 48 | 326 | 53 | 118 | 208 | 21 | 32 | 360 | 19 | 379 |
| February | 130 | 174 | 273 | 31 | 257 | 47 | 109 | 148 | 28 | 19 | 297 | 7 | 304 |
| March | 191 | 304 | 451 | 44 | 422 | 73 | 161 | 261 | 30 | 43 | 472 | 23 | 495 |
| April..... | 234 | 345 | 531 | 48 | 505 | 74 | 189 | 316 | 45 | 29 | 560 | 19 | 579 |
| May..... | 234 | 383 | 589 | 38 | 534 | 93 | 185 | 349 | 49 | 44 | 606 | 21 | 627 |
| June | 219 | 325 | 500 | 44 | 473 | 71 | 186 | 287 | 32 | 39 | 523 | 21 | 544 |
| July... .. | 305 | 383 | 622 | 66 | 564 | 124 | 238 | 326 | 68 | 56 | 660 | 28 | 688 |
| August | 302 | 336 | 592 | 46 | 542 | 96 | 249 | 293 | 54 | 42 | 621 | 17 | 638 |
| September..... | 214 | 390 | 531 | 73 | 512 | 92 | 169 | 343 | 45 | 47 | 584 | 20 | 604 |
| October | 283 | 356 | 583 | 56 | 560 | 79 | 237 | 323 | 46 | 33 | 609 | 30 | 639 |
| November | 218 | 274 | 450 | 42 | 435 | 57 | 189 | 246 | 27 | 30 | 474 | 18 | 492 |
| December | 212 | 348 | 513 | 47 | 504 | 56 | 185 | 319 | 27 | 29 | 538 | 22 | 560 |
| Total | 2682 | 3867 | 5966 | 583 | 5634 | 915 | 2215 | 3419 | 472 | 443 | 6304 | 245 | 6549 |

AGES.

| MONTHS. | Under Ten. | Ten to Fifteen. | Fifteen to Twenty | Twenty to Thirty. | Thirty to Forty. | Forty to Fifty. | Fifty to Sixty. | Sixty and over. | Total |
|----------------|------------|-----------------|-------------------|-------------------|------------------|-----------------|-----------------|-----------------|-------|
| January | | 23 | 60 | 141 | 74 | 45 | 23 | 13 | 379 |
| February | 1 | 7 | 38 | 115 | 76 | 45 | 10 | 12 | 304 |
| March | 5 | 21 | 74 | 160 | 128 | 68 | 30 | 9 | 495 |
| April | 6 | 50 | 74 | 207 | 130 | 70 | 29 | 13 | 579 |
| May | 3 | 40 | 98 | 218 | 137 | 77 | 34 | 20 | 627 |
| June | 11 | 25 | 57 | 198 | 122 | 86 | 31 | 14 | 544 |
| July | 11 | 36 | 59 | 258 | 149 | 102 | 48 | 25 | 688 |
| August ... | 1 | 27 | 73 | 214 | 171 | 80 | 48 | 24 | 638 |
| September..... | 4 | 41 | 76 | 209 | 143 | 79 | 33 | 19 | 604 |
| October..... | 3 | 29 | 78 | 223 | 139 | 111 | 44 | 12 | 639 |
| November | 3 | 18 | 88 | 194 | 103 | 67 | 53 | 16 | 492 |
| December | 1 | 43 | 68 | 193 | 133 | 80 | 29 | 13 | 560 |
| Total | 49 | 360 | 793 | 2,380 | 1,505 | 910 | 412 | 190 | 6,549 |

DISPOSITION OF CASES.

| | No. | | No. |
|-----------------------------------|-------|-----------------------------------|-------|
| Bail forfeited | 15 | Fine and costs and house abated | 1 |
| Bound over to Court of Common | | Fine and costs and house sup- | |
| Pleas | 105 | pressed | 6 |
| Costs | 943 | Fine and costs and committed to | |
| Costs and committed to Work | | Work House | 421 |
| House | 157 | Fine and costs and committed to | |
| Costs and committed to Work | | House of Refuge and Correc- | |
| House till paid | 11 | tion till paid | 3 |
| Costs and committed to House | | Fine and costs or in default im- | |
| of Refuge and Correction . . . | 13 | prisonment in city prison . . . | 3 |
| Costs and committed to city | | Nolle Prosequi | 418 |
| prison | 3 | Permitted to leave the city . . . | 78 |
| Costs and house suppressed . . . | 1 | Remanded to authorities from | |
| Costs divided between prosecu- | | abroad | 37 |
| ting witness and defendant . . . | 18 | Remanded to United States | |
| Committed to Cleveland Orphan | | authorities | 8 |
| Asylum | 1 | Remanded to Work House . . . | 2 |
| Committed to St. Vincent Cath. | | Sent to Infirmary | 6 |
| Orphan Asylum | 2 | “ House of Good Shep- | |
| Committed to House of Refuge | | herd | 2 |
| and Correction | 93 | Sent to Retreat | 1 |
| Committed to Little Sisters . . . | 1 | Sentenced to city prison | 231 |
| Discharged | 13 | “ Work House | 60 |
| Dismissed | 618 | Turned over to Sheriff of Cuya- | |
| Dismissed at costs of prosecuting | | hoga County | 4 |
| witness | 17 | Turned over to friends | 1 |
| Dismissed on payment of costs . . | 182 | Undisposed of | 35 |
| Dismissed for want of prosecu- | | Withdrawn by prosecution and | |
| tion | 12 | costs paid | 73 |
| Fine and costs | 1,838 | | |
| Fine and costs and committed to | | Total | 6,549 |
| Work House till paid | 1,107 | | |

COMMITTED TO WORKHOUSE AND HOUSE OF REFUGE AND CORRECTION.

| MONTH. | WORKHOUSE. | | Total W'khouse. | HOUSE OF REFUGE AND CORRECTION. | | Total to H. R. & C. | Total Sent to Workhouse and House of Refuge and Correction. |
|---------------|------------|----------|-----------------|------------------------------------|----------|---------------------|--|
| | Males. | Females. | | Males. | Females. | | |
| January ... | 42 | 11 | 53 | 3 | | 3 | 56 |
| February .. | 34 | 14 | 48 | 1 | | 1 | 49 |
| March | 55 | 21 | 76 | 12 | | 12 | 88 |
| April | 58 | 15 | 73 | 5 | | 5 | 78 |
| May | 47 | 12 | 59 | 12 | | 12 | 71 |
| June | 49 | 12 | 61 | 11 | | 11 | 72 |
| July | 46 | 22 | 68 | 7 | 1 | 8 | 76 |
| August | 56 | 20 | 76 | 4 | 2 | 6 | 82 |
| September. | 39 | 19 | 58 | 12 | 1 | 13 | 71 |
| October | 73 | 16 | 89 | 8 | | 8 | 97 |
| November . | 89 | 16 | 105 | 5 | | 5 | 110 |
| December . | 82 | 16 | 98 | 10 | 1 | 11 | 109 |
| Total... | 670 | 194 | 864 | 90 | 5 | 95 | 959 |

CITY DOCUMENTS.
LODGERS.

| | No. | | No. |
|---------------|-----|----------------|-------|
| January | 158 | August | 50 |
| February..... | 340 | September..... | 58 |
| March..... | 258 | October | 88 |
| April | 257 | November ... | 117 |
| May..... | 88 | December | 231 |
| June | 69 | | |
| July..... | 44 | Total... .. | 1,751 |

FINES AND COSTS COLLECTED.

| MONTH. | Amt. |
|--------------------------------------|-----------|
| January | 614 08 |
| February | 754 89 |
| March..... | 971 96 |
| April... .. | 923 86 |
| May..... | 1,048 45 |
| June..... | 714 92 |
| July..... | 849 97 |
| August | 1,028 03 |
| September | 1,148 26 |
| October..... | 1,247 72 |
| November ... | 1,450 54 |
| December | 1,518 58 |
| Total | 12,271 86 |
| A mount collected at Workhouse | 1,795 94 |
| Grand Total..... | 14,067 80 |

PROPERTY REPORTED STOLEN AND
RECOVERED.

| MONTH. | STOLEN. | RECOVERED |
|---------------------------|-----------|-----------|
| January | 1,952 75 | 1,822 75 |
| February..... | 909 50 | 647 50 |
| March..... | 1,983 00 | 1,889 50 |
| April..... | 1,145 00 | 774 25 |
| May..... | 1,736 00 | 1,160 00 |
| June | 2,018 25 | 1,643 50 |
| July..... | 2,378 00 | 1,671 00 |
| August..... | 1,786 00 | 1,535 50 |
| September..... | 1,052 00 | 610 75 |
| October..... | 2,569 00 | 799 00 |
| November | 1,641 50 | 403 00 |
| December | 1,896 75 | 618 50 |
| Total | 21,068 25 | 13,075 25 |
| Percentage Recovered..... | | 62.06 |

FINANCIAL STATEMENTS.

POLICE FUND.

| | | |
|-----------------------------|--------------|--------------|
| 1879. | | |
| Jan. 1. To on hand | | \$ 13,061 65 |
| Dec. 31. To receipts | | 138,367 31 |
| Total | | \$151,428 96 |
| Dec. 31. By disbursed | \$143,065 85 | |
| Dec. 31. By balance | 8,363 11 | |
| | | \$151,428 96 |

POLICE COURT FUND.

| | | |
|-----------------------------|------------|-------------|
| 1879. | | |
| Jan. 1. To on hand | | \$ 1,676 38 |
| Dec. 31. To receipts | | 8,575 39 |
| Total | | \$10,251 77 |
| Dec. 31. By disbursed | \$9,406 94 | |
| Dec. 31. By balance | 844 83 | |
| | | \$10,251 77 |

LIFE AND HEALTH FUND.

| | | |
|--|-----------|-------------|
| 1879. | | |
| Jan. 1. To on hand..... | | \$ 3,556 21 |
| Dec. 31. To receipts | | 657 70 |
| Total | | \$ 4,213 91 |
| Dec. 31. By disbursed..... | \$ 381 39 | |
| Dec. 31. By yet in the hands of G. G. Minor, late Sec'y. | 359 23 | |
| Dec. 31. By balance | 3,483 29 | |
| | | \$ 4,213 91 |

CONTINGENT FUND.

| | | |
|--|-------------|-------------|
| 1879. | | |
| Jan. 1. To on hand..... | | \$5,909 84 |
| Dec. 31. To receipts..... | | 4,344 01 |
| Total..... | | \$10,253 85 |
| Dec. 31 By disbursed | \$ 4,409 00 | |
| Dec. 31. Yet in the hands of G. G. Minor, late Sec'y.... | 1,963 71 | |
| Dec. 31. By balance | 3,881 14 | |
| | | \$10,253 85 |

MUSIC PERMIT FUND.

| | | |
|--|----------|----------|
| 1879. | | |
| Dec. 31. To issued 129 permits at \$2.00 each | | \$258 00 |
| Dec. 31. By paid City Treasurer | \$190 00 | |
| Dec. 31. By yet in the hands of G. G. Minor, late Sec'y. | 68 00 | |
| | | \$258 00 |

LIST OF MERCHANT POLICEMEN

APPOINTED DURING THE YEAR 1879.

| NAMES. | WHERE STATIONED. | DATE OF APPOINTMENT. |
|-----------------------|-------------------------------------|----------------------|
| John Connell..... | Academy of Music | Feb 6 |
| G. F. Fitheld | Globe Theatre | " 22. |
| Abram Gebres | Cleveland Rolling Mill Company..... | April 10. |
| W. E. Bates | Custom House | " 11. |
| S. W. Bonsall..... | Euclid avenue..... | " 18. |
| L. Clifford | Glidden & Joy..... | " 23 |
| A. O'Malia | Malleable Iron Works | June 16. |
| M. Welch | " " " | " " |
| James Farisey..... | " " " | " " |
| J. C. Miller | " " " | " " |
| J. Schunmaker | " " " | " " |
| A. M. Green..... | " " " | " " |
| S. F. Drake | Woodland Cemetery | " 25. |
| E. A. Shaw | Eighteenth Ward Park | " 28. |
| C. F. Peck | Independence street..... | July 2. |
| Thomas Martin..... | Euclid avenue | Aug. 16. |
| B. F. Davis. | Woodland Cemetery..... | Sept. 2. |
| J. C. Miller | Brandt's Hall | " 10. |
| James Wall..... | Canal bed | " 11 |
| Frank VanOstran | Woodland and Cross streets..... | " 13. |
| C. O. Law..... | Woodland avenue..... | Nov. 5. |
| John Dill | Woodland avenue..... | Dec. 3. |
| John Connell | Theatre Comique | Dec 8 |

CENSUS OF THE CITY OF CLEVELAND, OHIO.

AS TAKEN BY THE POLICE FORCE DURING JANUARY, 1880.

| | First Precinct. | Second Precinct. | Third and Sixth Precincts. | Fourth and Fifth Precincts | Seventh Precinct. | Eighth Precinct. | Total. |
|-----------------------------|-----------------|------------------|----------------------------|----------------------------|-------------------|------------------|---------|
| No. houses | 2,293 | 3,287 | 7,281 | 4,665 | 2,881 | 2,182 | 275,89 |
| " Inmates | 15,989 | 19,285 | 43,194 | 53,477 | 15,256 | 11,006 | 158,207 |
| " Hotels | 28 | | | 8 | | 1 | 35 |
| " Churches | 15 | 12 | 36 | 39 | 16 | 10 | 128 |
| " Hospitals | 1 | 1 | 4 | | 1 | 1 | 8 |
| " Schools | 7 | 7 | 27 | 37 | 16 | 11 | 105 |
| " Medical colleges | 1 | 1 | 1 | | | | 3 |
| " Public halls | 25 | 5 | 5 | 34 | | 2 | 71 |
| " Public buildings | 18 | 6 | 8 | 13 | 15 | 22 | 82 |
| " Cemeteries | | | 4 | 5 | 1 | 2 | 12 |
| " Wholesale dealers | 301 | 10 | | 53 | | 2 | 366 |
| " Retail dealers | 886 | 208 | 672 | 878 | 97 | 156 | 2,987 |
| " Manufact'rs large | 405 | 65 | 16 | 100 | 2 | | 597 |
| " Manufact'rs small | | | 104 | 197 | 32 | | 333 |
| " Orphan asylums | | | 4 | | 1 | | 5 |
| " Founders & iron wks | 10 | 15 | | 10 | 2 | 25 | 62 |
| " Livery stables | 30 | 3 | 8 | 15 | 5 | 5 | 66 |
| Census of 1880 | | | | | | | 158,207 |
| Census of 1870 | | | | | | | 93,018 |
| Gain in ten years | | | | | | | 65,189 |

ANNUAL REPORT

OF

The Telegraph Department,

FOR THE

YEAR ENDING DECEMBER 31st, 1879.

ANNUAL REPORT OF THE POLICE TELEGRAPH DEPARTMENT.

CLEVELAND, OHIO, January 1st, 1880.

To the Honorable Board of Police Commissioners:

GENTLEMEN:—The following is a report of messages which have been transmitted over the wires of the Police Telegraph Department during the year ending December 31st, 1879, and on record at this office :

| MONTHS. | Messages Sent. | Messages Received. | Total. | Average per day. |
|------------------|----------------|--------------------|--------|------------------|
| January | 574 | 81 | 655 | 21 $\frac{1}{4}$ |
| February | 632 | 86 | 718 | 25 $\frac{1}{2}$ |
| March | 699 | 74 | 773 | 24 $\frac{1}{4}$ |
| April | 641 | 101 | 742 | 24 $\frac{1}{4}$ |
| May | 768 | 97 | 865 | 27 $\frac{1}{4}$ |
| June | 802 | 88 | 890 | 29 $\frac{1}{4}$ |
| July | 751 | 98 | 849 | 27 $\frac{1}{4}$ |
| August | 725 | 81 | 806 | 26 |
| September | 679 | 93 | 772 | 25 $\frac{1}{4}$ |
| October | 694 | 107 | 801 | 25 $\frac{1}{4}$ |
| November | 627 | 137 | 764 | 25 $\frac{1}{4}$ |
| December | 612 | 142 | 754 | 24 $\frac{1}{4}$ |
| Total. | 8,204 | 1,185 | 9,389 | 25 $\frac{1}{4}$ |

The police wires have been kept in a fair working condition the year round.

Respectfully submitted,

EMIL F. SCHULTZ,

Headquarters.

CONCLUSION.

The year covered by this Report has been an unusually quiet one. No mobs; no riots; good order has been the rule and not the exception. During the week of the Northern Ohio Fair and race week it was expected that we might be troubled with pickpockets and thieves, but it would seem that those fraternities have no desire to operate in this city, as no losses of any account occurred. It is rather of a remarkable fact that as our city increases in population the statistics of crime are constantly decreasing. The total number of arrests

| | |
|------------------|------|
| In 1874 was..... | 9571 |
| " 1875 " | 8823 |
| " 1877 " | 7845 |
| " 1878 " | 7151 |
| " 1879 " | 6549 |

or about 30 per cent. less than in 1874.

The records show that the following number of tramps were lodged by the city:

| | |
|--------------|--------|
| In 1875..... | 14,645 |
| " 1877..... | 4,861 |
| " 1878..... | 2,381 |
| " 1879..... | 1,751 |

The amount of property reported stolen was:

| | |
|--------------|-------------|
| In 1874..... | \$35,558 83 |
| " 1875..... | 50,109 77 |
| " 1877..... | 37,677 97 |
| " 1879..... | 21,068 25 |

Number of vagrants arrested:

| | |
|--------------|-----|
| In 1875..... | 456 |
| “ 1877..... | 270 |
| “ 1878..... | 260 |
| “ 1879..... | 215 |

These tables show a state of affairs in which our citizens may well take pride, as they show conclusively that life and property are each year made more secure, and that we as a city are not “tending back to barbarism.”

In order to give the Honorable City Council an opportunity to compare the cost, efficiency and usefulness of the Cleveland Police Department with that of several other cities, the following tables have been prepared, that exhibit clearly the large territory covered by our small force, the number of population protected by each member of the force, the expense of maintaining each policeman, and the cost per capita of population for each man.

| CITIES. | Population. | Area in Square Miles. | Strength of Force. | Pay of Patrolmen | Annual Cost |
|-------------------|-------------|-----------------------------|-----------------------|---------------------|----------------|
| New York | 1,070,000 | 23 | 2,560 | \$1,200 00 | \$3,500,000 00 |
| Philadelphia..... | 817,448 | 65 | 1,292 | 912 00 | 1,437,546 40 |
| Chicago..... | 500,000 | 38 | 516 | 850 00 | 534,842 78 |
| Brooklyn | 484,616 | 21 | 624 | 1,100 00 | 777,462 00 |
| St. Louis... .. | 450,000 | 23 | 457 | 900 00 | 512,313 00 |
| Boston.... .. | 375,000 | 15½ | 700 | 1,095 00 | 814,941 00 |
| Baltimore | 306,000 | 14½ | 574 | 986 00 | 582,000 00 |
| New Orleans | 210,000 | 26 | 568 | 1,000 00 | 624,000 00 |
| Washington | 120,000 | 27 | 242 | 1,080 00 | 325,000 00 |
| Cleveland..... | 158,000 | 28 | 161 | 756 00 | 143,035 85 |

| CITIES. | Men to Sq're Mile of Territory. | Number of Population of Each Policeman. | Expenditure per Man of Force. | Exp'diture Per Capita of Population |
|-------------------|--|--|-------------------------------------|--|
| New York | 111.3 | 418.0 | \$1,367 18 | \$3 27 |
| Philadelphia..... | 19.9 | 632.7 | 1,112 65 | 1 75 |
| Chicago..... | 13.6 | 969.0 | 1,036 52 | 1 07 |
| Brocklyn | 29.7 | 776.6 | 1,245 93 | 1 60 |
| St. Louis | 19.9 | 984.7 | 1,121 04 | 1 14 |
| Boston... .. | 45.2 | 535.7 | 1,164 20 | 2 17 |
| Baltimore.... | 39.6 | 531.3 | 1,013 94 | 1 90 |
| New Orleans | 21.8 | 369.7 | 1,098 59 | 2 97 |
| Washington | 9.0 | 495.9 | 1,342 98 | 2 70 |
| Cleveland | 5.8 | 1284 0 | 888 42 | 90 |

The following table shows the amount of property reported stolen and amount recovered. These figures attest the vigilance, ability and industry of the detectives as well as the regular force:

PROPERTY REPORTED STOLEN AND RECOVERED FOR SIX YEARS.

| YEAR. | STOLEN. | RECOVERED. | PER CENT. RECOVERED. |
|------------|-------------|-------------|-------------------------|
| 1874 | \$35,559 83 | \$17,856 57 | 50.75 |
| 1875 | 50,109 77 | 29,273 35 | 58.41 |
| 1876..... | 34,762 72 | 24,055 22 | 69.20 |
| 1877..... | 37,677 97 | 30,052 60 | 79.76 |
| 1878 | 29,731 43 | 23,595 95 | 80.33 |
| 1879.... | 21,068 25 | 13,075 25 | 62.06 |

COST OF POLICE AND HEALTH DEPARTMENTS FOR THE PAST SEVEN YEARS.

| YEAR. | FUND. | AMOUNT. | TOTAL. |
|------------|-----------------|--------------|--------------|
| 1873..... | Police..... | \$158,299 18 | |
| 1873..... | Health..... | 23,416 14 | |
| | | | \$181,715 32 |
| 1874 | Police..... | \$162,770 28 | |
| 1874..... | Health..... | 25,036 58 | |
| | | | 187,806 85 |
| 1875 | Police... .. | \$168,362 68 | |
| 1875..... | Health..... | 19,549 38 | |
| | | | 187,912 06 |
| 1876.. .. | Police. | \$152,508 30 | |
| 1876..... | Health..... | 16,168 05 | |
| | | | 168,676 35 |
| 1877..... | Police | \$149,459 33 | |
| 1877..... | Health... .. | 14,106 11 | |
| | | | 163,565 44 |
| 1878..... | Police | \$145,134 54 | |
| 1878 | Health... .. | 12,414 18 | |
| | | | 157,548,71 |
| 1879 | Police..... | \$130,999 33 | |
| 1879..... | Health..... | 12,036 52 | 143,035 85 |

Finally, the Board take a just pride in commending this Report and accompanying statistical tables to the consideration of the Honorable City Council and citizens generally, confident that a perusal will convince all that the affairs of the department under its charge have been faithfully and economically administered.

The Board have endeavored to maintain a high state of discipline in the Force, and the laudable manner in which duty has been performed attests the success of their efforts in this direction; the character and ability of the men appointed during the year are evidence of the care exercised in their selection; the decreased cost of maintaining the department; the numerous convictions of criminals; the number of fugitives from justice secured and turned over to officers from other cities; the success that has attended efforts in ferreting out crime; the protection afforded citizens scattered over nearly thirty miles of territory, and four hundred and twenty-four miles of streets and alleys, by one hundred and sixty-one men, giving but 5.8 men to each square mile, and when it is remembered that for day duty each patrolman has an average of $9\frac{1}{2}$ miles and for nights $6\frac{1}{8}$ miles in his beat, it will not be considered especially strange if we should hear the cry of "where are the police?" The fact that we hear so little of this; that charges were only preferred against thirteen members of the Force in 1879, as against thirty in 1878, and twenty-four in 1877, all furnish evidence that the officers and men are entitled to thanks of the Board for duty well done.

By order of the Board,

THOMAS KING, *Secretary.*

A R E P O R T

OF THE

Health Department,

MADE TO THE

BOARD OF POLICE COMMISSIONERS,

OF THE

CITY OF CLEVELAND, OHIO.

FOR THE

YEAR ENDING DECEMBER 31ST, 1879,

BY

W. B. REZNER, M. D., *Health Officer.*

REPORT

OF THE

HEALTH DEPARTMENT.

To the Honorable Board of Police Commissioners :

GENTLEMEN :—In conformity with statutory requirement, I have the honor to submit for your consideration the Annual Report of the Health Department for the year 1879.

The records of the Department show the number of deaths from all causes for the year 1879 to be 3,038. Taking the population of the city as calculated from the last directory would give the percentage of death rate as 17.36 per thousand. In this are included non-residents and still-borns, neither of which form any part of the estimated population; nor should they have any representation in the death rate. When excluded the death rate would be 16 per thousand, a ratio that will compare favorably with any of the cities of the continent.

Under the form of zymotic diseases we have 990, less than one-third of our entire number of deaths; while one-third is considered a good average under the most favorable appliances and teachings of sanitary science. Within this order are enrolled nearly all the diseases that are the subjects of miasma, the results of filth, putrefaction and decomposition; and under which we may expect to accomplish the most in the proper manipulation of the science.

With a territory embracing an area of $26\frac{1}{2}$ square miles, a large part of which is without sewerage or any adequate natural drainage, add to this 424 miles of paved and unpaved

streets and alleys, covered with matter under decomposition from which are constantly emanating the pestilential breath of disease in zymotic form, the ratio is still more significant and satisfactory.

The greatest number of deaths that have occurred from diseases styled preventive is that of diarrhoea, under which are classed all reported as diarrhoeal diseases. Of these there were 266 against 425 of last year; 229 occurred during the months of July, August and September. The greater number of these were children under five years of age. The deaths were quite uniformly distributed throughout all the wards in proportion to their population, except the Second, Third, Fifteenth and Sixteenth. The only solution for exemption in the first two mentioned wards can be sought for in the more thorough and effective sewerage, climatic causes being equal; but of the last two in the sparseness of their population. The close connection that exists between uncleanness and diarrhoeal diseases is obvious to the most casual observer. Defective drainage, sewerage and a thousand little accumulations of decomposing matter and filth that neglectful and careless hands allow to accumulate about the doors, become fruitful cesspools of poison to children.

The mean temperature of the months of greatest sickness was for July, 73.7 deg., August, 70.2 deg. and September, 60.9 deg., while for the same months of last year, July, 74.3, August, 71.7 and September, 65.1. Showing an increase of temperature with the accompanying putrefying elements that would be generated by the additional heat, sufficient to make it the important factor in the cause of the greater number of deaths of that year.

Dr. T. C. Miller in his paper on Cholera Infantum, says: "The condition under which cholera infantum appears, and the *only* condition essential to its development, is continued high temperature day and night—a mean thermometer above 75 deg., with small daily ranges.

The filthy and careless manner of handling and providing a food so liable to undergo putrefying changes during the heated term, is a fruitful source of the contributions to our mortality list.

We have 167 deaths from scarlet fever, 136 more than last year. Cases have been reported during all the months of the year, but the greater number in the spring and fall. There would at least seem to be a coincidence in action with it and diphtheria during the several months of the year, each prevailing in the same ward at the same time.

Scarlet fever is the result of a specific poison freely communicated to unaffected persons, producing effects identical in each. That it is ever generated from any other cause is extremely doubtful, consequently filth and its co-workers can have no influence in its propagation and dissemination, only so far as they would produce a weak and susceptible condition of the system as would favor it. Isolation and non-communication with the sick are the only safe rules of prevention.

With diphtheria we have fared more kindly. There have been during the year 180 deaths, against 376 of last year. It visited all the wards of the city but the Second, spending its violence more particularly upon the following wards, viz: Fourth, 22, Fourteenth, 25, Sixth, 19 and the First, 21. Among the others it was more equally distributed in proportion to the population. The period of greatest activity was during the months of January, October, November and December, three months later than last year; yet there was no month of the year in which there were not cases.

It is to be regretted that we are still without an accurate solution of the problem of its origin. Each of the particular theories has been advocated; but sufficient is known of the influence of filth and sewerage in its propagation and maintenance. The thorough manner in which well advised sanitary regulations were enforced in the past, has contributed to the diminished number of deaths reported. The fear that pervades

the minds of most parents becomes a safe-guard, stimulating them to greater exertion in closing up all the avenues of contagion.

Another year has passed without an admission to the pest house, or the record of a case of small-pox. It can be fairly claimed as a result of the prompt and thorough administration of the wise rules of prevention by the Board, and also the promptness in which the public acquiesced. During the period of our immunity, a neighboring city of Canada has been sorely afflicted. Our freedom from the visitation of the disease can only be attributed to the thorough manner in which vaccination has been practiced as a prophylactic among us, the efficiency of which the statistics of the prevalence of the disease in the United States for the last five years is of unquestionable proof. The diminution of the death-rate since the discovery of Jenner, has robbed small-pox of most of its terrors, and instead of its being a scourge which frequently sweeps over thousands of miles in an incredible short space of time, it has become obedient to well conducted intelligent medical effort. The decided influence of vaccination in the modification of the disease is well shown in the statistics of the London small-pox hospital during the severe epidemic of 1838. Of those unprotected by vaccination 295 cases of confluent small-pox were admitted, of whom 149 died; while of those persons who had been vaccinated 56 only presented confluent small-pox, and of this number 21 died. Of all forms of variolous disease, among unvaccinated people there were 396 cases, of whom 157 died, while of 298 cases among persons who had been vaccinated, there were only 31 deaths. In the city of New York, during the year 1870, when systematic and general vaccination was practiced, the mortality from small-pox was 293. and the total number of cases was 1,580, the population being 942,229. In 1878 the population was 1,100,000, and the number of cases but 14. A very conclusive evidence of the effects of judicious vaccination.

Yet with all the accumulated evidence we are not without objectors to the hateful vaccination. It is alleged that more disease is produced than prevented. A resort to statistics show that in 24,395 primary vaccinations made by the New York bureau, but 147 complaints were made. Ill conditioned ulcers, abscesses and a fine cutaneous eruption, most of which can be avoided by a strict compliance with the known rules governing the collection and preservation of the virus, the violation of which no strictly conscientious physician will be guilty, as all other sanitary means of prevention of the spread of the disease can only be auxiliary to vaccination, and must depend upon a perfect co-operation of the public and the general medical profession with the sanitary authorities, enforcing the necessity of reporting all cases promptly to the Health Department. The concealment of cases and unfounded opposition to vaccination not only tends to propagate the disease, but also increases its fatality.

Of measles there were 48 deaths. All the wards excepting three were visited; the Sixth having 33 per cent. of the entire number.

There were reported 227 as having died with consumption. How many of these contracted the disease here is not stated; but it is to be presumed that a number came here to secure the advantages of medical treatment that cities of this class usually afford.

The subject of suitable material for paving our streets is one in which the sanitarian is deeply interested. To be of proper quality it ought to possess firmness, elasticity and imperviousness to moisture and gases. While wood possesses most of the requisites its tendency to absorption is great; nor does the treatment to which it is subjected wholly prevent its being almost constantly in a moist condition. It is subject to decay and should be rejected. There is no doubt of the existence of peculiarities in soil in which wood is much more durable than others and some of the plans of treatment that render it more

safe; but with the experiments tried on our streets it has been a failure and ought not to be continued. Concrete, of which asphalt is the component, if properly prepared, possesses more of the essentials of a truly sanitary pavement than any other; free from absorption, easily cleaned and consequently free from poisonous exhalations.

The collecting and disposal of the night soil, in the near future, will become a problem of no easy solution to those charged with the care of the health of the people. Each of our prominent cities is controlled by the peculiar circumstances existing in its particular locality in the manner of its disposal, none of which appears of any especial value to others not so situated. The practice of carting it through the streets in an unsufficient receptacle is so objectionable that it can only be permitted by sufferance. The slow but continued contamination of our lake and streams of water from sewerage renders all additional deposits in them more objectionable. Some practical plan to utilize the material, such as is practiced in European cities, should be adopted.

It is not to be expected that we should realize all the advantages that attend the more populous of the cities, in which a revenue is obtained from the disposal of permits to remove and utilize the material for fertilizers. That apparatus is and can be constructed and operated for its conversion into a valuable product without ever giving offense, in moderately dense populated districts, has been fully demonstrated. The moderate demand for means to enrich the soil in this country would make it less probable of being self-sustaining; but a large part of the expense now incurred would be saved by the people.

So far as possible all privy vaults should be brick lined throughout, cemented, water and gas tight, and of a shape most convenient for cleaning, not containing more than two cubic yards for each ordinary habitation, and so constructed as to prevent the escape of all gases except by a ventilating shaft

as now prescribed by ordinance. Such vaults would prevent the admission of surface water, which is so frequently the cause of complaint when they require cleaning, and would permit them to be cleaned in the only proper manner in which the contents can be taken through the different steps of the process until converted into fertilizers without the gas escaping. The prevailing custom of lining vaults with wood should be forbidden. It offers no protection against the ingress of surface water and soon undergoes decomposition from the action of the gases and becomes an additional source of malarial poison.

While the sanitary appointments of most of our slaughtering establishments have not been without their defects, there are outgrowths of them that are a just cause of frequent and bitter complaint. That there should be some means of preserving and utilizing the large amount of offal which accumulates at slaughter and retail shops, is a subject of too much importance in the interest of the city to be lightly considered, together with the propriety of forcing all such establishments out beyond the corporate limits. Although it is difficult to prove to what extent offensive odors arising from the rendering and boiling of effete animal matter affects the health of those exposed, it is a breach of personal comfort that all must recognize, tending to depreciate values, prejudicial to the interests of the city and citizen.

The remedy consists in the proper construction of the machinery employed which, in all giving offense, is very defective. As constructed the stream passes from the rendering tank, impregnated with the offensive gases, into water in which the vapor is condensed, the gas, containing most of the objectionable odors, is permitted to escape into the open air. In all evaporating pans or tanks where offensive material is exposed to heat by steam passing into them or by steam jackets surrounding them, all vapors arising from the material should be conducted by a pipe into a steam tight condensor, where it

comes in contact with water in the form of spray, moistened coke or some similar device by which the vapor is condensed and gases liberated and conducted through another pipe into the furnace where it is consumed.

Experience has proved that establishments having machinery constructed on the above general plan have been able to accomplish the desiccation of the most offensive material, without emitting sufficient odor to give offense to those in the immediate vicinity.

The manner of conveying through the streets the offal and scraps, which many times have become putrid and offensive, that accumulate in the numerous slaughter and retail shops to the place of manufactory is frequently the cause of complaint. This could be effectually remedied by requiring all such accumulations to be kept in properly constructed air-tight barrels or packages, in which they should be conveyed to the manufactories and transferred to the evaporating tanks without exposure.

That there should be some closer relation between the Inspector of Markets and the Health Department than the existing ordinance requires, is obvious. The whole subject of food in all its branches properly belongs to that department. It is as necessary that the quality and kind of food we eat should be healthy as to have our houses properly sewered, furnished with pure water or shielded from pestilential gases. In the long list of articles that enter into the food of man, there are but very few that are not the subjects of adulterations; and not only is the value of the article as food impaired, but frequently the adulterations are positively poisonous. All scruples of conscience are obliterated by the passion avarice.

On the 9th day of April last the Council passed an ordinance placing the control of the construction of house sewer connection and house drainage in the hands of the Board of Health. A supplementary ordinance, embodying a set of rules and regulations for the more perfect working of the ordi-

nance, was passed June 23d, 1879. A special officer was appointed by the Board to superintend the work. During the last quarter under the operation of the law there were 299 permits issued, of which 173 were to sewer builders, 126 to plumbers; house sewers laid, 102, and 171 house sewers extended. At first there was some opposition to the law, usually from some misapprehension of its meaning and intent. We have reason to believe that in many cases a great improvement has been affected in the character of the work done and in its better adaptation to the purpose. Sharp competition, with a desire on the part of many to economize, without the proper information as to what should constitute good work or what would be required for the proper drainage of their property, has opened the door for cheap and poorly constructed work which, in effect, only invites death as a near companion. We have seen enough of the effects to approve the wisdom that dictated the ordinance and anticipate for it a future of usefulness.

There has been a fraction over one mile of additional street sewer laid during the year. Most of it was in wards in which the improvement was very acceptable. The water supply of those districts was obtained from wells depending for their purity upon subsoil drainage. It is extremely unfortunate that sewerage and an abundant supply of lake water cannot be furnished to all parts of the city, as well water even in sections least suspected on analysis is found to be totally unfit for use.

During the fall a joint committee of the Council and Board of Improvements, with myself, made an inspection of the Walworth Run neighborhood, not so much to ascertain the necessity of some improvement in that locality but to devise some mode of carrying into effect the recommendations of former officers. It seems to form a nucleus for a large share of the filth breeding establishments of the city. The necessity for the construction of an ample sewer, at as early a day as

possible, is a fact of too much moment to brook unnecessary delay. The fact that an earnest move has been made by men of stern material the way and means will be provided to carry out successfully an improvement of sanitary importance second to none in the city.

The manner of disposing of dead animals by contract during the year has, with rare exceptions, given good satisfaction, and is the only instance in which the removal of what would become a nuisance, affords a profit to the city. Swill and garbage are not so fortunate. Frequent complaints have been made by parties who were not regularly visited. The people are slow to remember that the swill and garbage barrel is not the avenue through which to dispose of all their tin cans, broken crockery, and cast off hardware. Frequently the small value that might attend it is destroyed by such admixtures. A little determined effort on the part of each householder in unison with officers would render the city much cleaner and healthier.

At the commencement of the official year it was thought advisable to increase the number of district physicians from 6 to 9. The reduction of the territory of each district to two wards enables the indigent poor to have easier access to medical assistance. It is difficult to make a division of labor by retaining ward lines, the more populous will have the greater number that require attention. There were 3,157 persons that received medicine and attendance during the year, 222 more than last year, Over one-third were from the first district. Reference will be had to the statistical tables attached showing the amount of work done in each district.

I esteem it a duty to call the attention of the authorities to the great need of some hospital advantages for the treatment of those who are frequently applying without means to take care of themselves. We are liable at all times to a severe and protracted epidemic without any suitable way of providing for the sick, except by protrading them upon the benevolent institutions of the city which are alive to the calls of distress, but

of limited means. Some place should be provided where an officer could take an injured party picked up in his rounds for treatment, without being under obligations to or intruding upon any private institution.

Although the table showing the number of births for the year is the most voluminous and complete of any that has been issued from this office, yet it is not as we should wish it.

Those having the charge of the births fail to appreciate the binding force of the law requiring such reports, and the value that such statistics become as evidence in law or the importance they assume as a complete chapter in the history of the race.

Contrary to custom it has pleased the Board to continue the Sanitary Force in full during the year. This is as it should be. It has given confidence and efficiency to the force, who, by their experience and industry have greatly aided in maintaining the sanitary standard of the city.

In the pursuit of my official duties, on account of the intimate relation with other portions of the city government, I frequently had occasion to be in contact with the officers of these departments, to whom I wish to extend my thanks for their uniformly candid advice and assistance.

For the expenses of the department during the year I would refer you to the accompanying report of the Secretary. They have been less than any former year since the organization of the Board of Health, yet I would not recommend it as a safe estimate for the future.

We have been fortunate in not having incurred any large expenditure. The character of the work performed by the Sanitary Force will be stated in the Sergeant's report. While I am satisfied with the good results obtained, when some of the contemplated improvements are completed and the many natural sanitary advantages of Cleveland are cultivated, the death rate will be still more reduced.

In concluding my report I would most cordially thank the Honorable Board for the uniform kindness and courtesy, always shown me and the members of the force under my charge.

Respectfully,

W. B. REZNER, M. D.

Dec. 31, 1879.

Health Officer.

Statistical Tables.

TABLE NO. 1.
SHOWING THE CLASSIFICATION, AND CAUSES OF DEATHS BY MONTHS, WITH AN EXHIBIT OF DEATH RATE PER ONE THOUSAND (ESTIMATED POPULATION 175,000,) AND PER CENT. OF EACH CAUSE ON TOTAL NUMBER OF DEATHS.

| CLASSIFICATION AND CAUSES. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Death Rate Per 1,000. | Percentage of Cause on Total |
|--------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|-----------------------|------------------------------|
| CLASSIFICATION. | | | | | | | | | | | | | | | |
| 1 Zymotic Diseases..... | 46 | 41 | 60 | 40 | 26 | 43 | 140 | 165 | 84 | 74 | 118 | 108 | 990 | 5.66 | 32.59 |
| 2 Constitutional Diseases..... | 39 | 43 | 78 | 55 | 55 | 24 | 35 | 47 | 26 | 22 | 30 | 25 | 480 | 2.74 | 15.08 |
| 3 Local Diseases..... | 62 | 88 | 126 | 113 | 95 | 78 | 94 | 108 | 52 | 73 | 73 | 93 | 1,085 | 6.09 | 35.05 |
| 4 Developmental Diseases.... | 13 | 26 | 33 | 23 | 40 | 32 | 37 | 40 | 34 | 41 | 41 | 46 | 408 | 2.33 | 13.43 |
| 5 Death by Violence..... | 4 | 4 | 6 | 8 | 7 | 12 | 8 | 11 | 10 | 4 | 13 | 8 | 95 | .54 | 3.13 |
| Deaths from all causes.... | 166 | 206 | 313 | 239 | 273 | 189 | 314 | 371 | 206 | 214 | 275 | 275 | 3,088 | 17.36 | |

TABLE NO. 1—Continued.

| CAUSES. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Death Rate Per 1,000. | Percentage of Cause on Total |
|---|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|-----------------------|------------------------------|
| Small Pox..... | | | | | | | | | | | | | | | |
| Measles..... | 6 | | 4 | 8 | 14 | 10 | 3 | 2 | 1 | | | | 48 | .23 | 1.58 |
| Scarlet Fever..... | 1 | 6 | 12 | 8 | 9 | 8 | 8 | 6 | 2 | 9 | 52 | 36 | 167 | .95 | 5.5 |
| Diphtheria..... | 20 | 10 | 13 | 10 | 10 | 3 | 4 | 11 | 10 | 28 | 29 | 32 | 180 | 1.08 | 5.9 |
| Croup..... | 8 | 6 | 6 | 2 | 9 | 2 | 1 | 1 | 5 | 8 | 13 | 12 | 73 | .4 | 2.4 |
| Whooping Cough..... | | 1 | 5 | 4 | 11 | 3 | 6 | 11 | 8 | 3 | 2 | 6 | 60 | .3 | 2.00 |
| Typhus Fever..... | 1 | | 1 | | 1 | | | | 1 | | 2 | 3 | 9 | .5 | .29 |
| Typhoid Fever..... | 2 | 3 | 2 | 1 | 1 | | 1 | 10 | 13 | 8 | 3 | 2 | 46 | .26 | 1.51 |
| Diarrhoeal Diseases..... | 4 | 7 | 3 | | 3 | 7 | 90 | 107 | 32 | 8 | 4 | 1 | 266 | 1.4 | 8.73 |
| Cerebro-Spinal Meningitis..... | 2 | 1 | 4 | 1 | 3 | 1 | 2 | 1 | | 2 | 1 | | 18 | .1 | .59 |
| Erysipelas..... | 11 | 3 | 2 | | 4 | 1 | | | 1 | | 2 | 3 | 17 | .1 | .59 |
| Remittent, Intermittent, Typho-Malarial, Congestive and Simple Continued Fever..... | | | 1 | 1 | 1 | 3 | | 2 | 2 | 2 | 5 | 1 | 18 | .1 | .59 |
| Praemia and Septicaemia..... | | | 3 | 1 | 2 | 2 | 2 | 2 | 3 | | 1 | 2 | 18 | .1 | .59 |
| Alcoholism..... | | 1 | 1 | | | 1 | | 1 | | 2 | | 1 | 7 | .04 | .23 |
| Inanition..... | | 2 | 3 | 3 | 1 | 1 | 6 | 8 | 3 | 1 | 1 | 4 | 33 | .18 | 1.08 |

TABLE NO. 1—Continued.

| CAUSES. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Death Rate Per 1,000. | Percentage of Each Cause on Total |
|--|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|--------|--------------------------|---|
| Cancer..... | 6 | 1 | 8 | 9 | 4 | 3 | 5 | 4 | 4 | 7 | 4 | 3 | 58 | .38 | 1.9 |
| Rheumatism and Gout..... | 2 | 1 | 1 | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 8 | .06 | .26 |
| Marasmus, Tabes Mesenterica and Scrofula | 9 | 19 | 26 | 14 | 20 | 4 | 7 | 13 | 8 | 3 | 6 | 4 | 128 | .73 | 4.21 |
| Hydrocephalus and Tubercular Meningitis | 4 | 7 | 10 | 8 | 6 | 5 | 1 | 4 | 2 | ..... | 2 | 1 | 50 | .3 | 1.64 |
| Phthisis Pulmonalis..... | 15 | 15 | 33 | 22 | 24 | 13 | 14 | 27 | 18 | 12 | 18 | 16 | 227 | 1.3 | 7.47 |
| Pneumonia..... | 13 | 21 | 46 | 35 | 26 | 12 | 5 | 4 | 7 | 11 | 12 | 21 | 213 | 1.2 | 7.01 |
| Bronchitis..... | 1 | 4 | 14 | 8 | 4 | 3 | 2 | 7 | 3 | 2 | 4 | 4 | 56 | .32 | 1.84 |
| Meningitis and Encephalitis..... | 1 | 1 | 2 | 3 | 4 | 6 | 4 | 4 | 1 | ..... | 3 | 2 | 31 | .17 | .89 |
| Apoplexy..... | 3 | 6 | 3 | 8 | 3 | 5 | 6 | 4 | 2 | 2 | 3 | 6 | 51 | .3 | 1.67 |
| Paralysis..... | ..... | ..... | 2 | 4 | 8 | 4 | 4 | 3 | 1 | 4 | 1 | ..... | 30 | .11 | 1.00 |
| Epilepsy..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | 2 | 2 | 1 | ..... | 1 | 7 | .04 | .23 |
| Convulsions..... | 13 | 16 | 31 | 26 | 19 | 9 | 35 | 26 | 13 | 22 | 14 | 14 | 243 | 1.39 | 8.00 |
| Diseases of Brain and Nervous System.. | 9 | 12 | 11 | 8 | 12 | 11 | 11 | 11 | 6 | 6 | 9 | 6 | 112 | .64 | 3.68 |
| Heart Diseases..... | 5 | 12 | 11 | 8 | 9 | 8 | 11 | 11 | 5 | 6 | 12 | 9 | 107 | .51 | 3.52 |
| Dropsy..... | ..... | 1 | 5 | 3 | 1 | 1 | 3 | 1 | 2 | 2 | ..... | 6 | 25 | .14 | 8.22 |
| Tumor..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 | 2 | 5 | .03 | .13 |

TABLE NO. 1—Continued.

| CAUSES. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total | Death Rate Per 1,000. | Percentage of Each Cause on Total |
|--|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|--------------------------|---|
| Bright's Disease and Nephritis | 1 | 8 | 2 | 1 | 1 | 8 | 6 | 4 | 2 | 3 | 1 | 6 | 43 | .36 | 1.41 |
| Enteritis, (Gastro-Enteritis, Peritonitis and Gastritis)..... | 9 | 5 | 5 | 8 | 11 | 7 | 4 | 17 | 5 | 14 | 8 | 12 | 105 | .6 | 3.45 |
| Diseases of Liver..... | | | 1 | | | 4 | 2 | 4 | 2 | 1 | 2 | 3 | 19 | .11 | .62 |
| Diseases of Osseous System. | | | 2 | 1 | 3 | | | 1 | | 1 | | 1 | 9 | .05 | .29 |
| Puerperal Diseases..... | 1 | 8 | 2 | | 1 | | 2 | 1 | 2 | 5 | 6 | 8 | 31 | .12 | 1.02 |
| Premature and Preternatural Births..... | 3 | 6 | 6 | 8 | 3 | 6 | 5 | 5 | 2 | 3 | 7 | 7 | 61 | .35 | 2.00 |
| Infantile Debility.. | | | 2 | | 7 | 3 | 8 | 6 | 7 | 4 | 2 | 1 | 40 | .23 | 1.31 |
| Dentition | | | | | 1 | 1 | 4 | 8 | 1 | | | | 10 | .06 | .32 |
| Debility Senile..... | | | | | | 4 | 10 | 7 | 6 | 4 | 8 | 5 | 44 | .35 | 1.44 |
| Still Births | 10 | 15 | 24 | 14 | 17 | 15 | 18 | 22 | 16 | 19 | 18 | 24 | 212 | 1.21 | 7.00 |
| Diabetes..... | | | 1 | | 1 | | 1 | | 1 | | | | 4 | .02 | .13 |

TABLE No. 2.

SHOWING THE AGES AT WHICH DEATHS OCCURRED, FROM ONE YEAR AND UNDER, TO SEVENTY YEARS AND OVER, WITH AN EXHIBIT OF THE RATE PER THOUSAND, (ESTIMATED POPULATION 175,000), AND PER CENT OF EACH ON TOTAL NUMBER OF DEATHS.

| | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Death Rate per 1,000 | Percentage of Cause on Total. |
|-------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|----------------------|-------------------------------|
| Under one years..... | 41 | 65 | 110 | 90 | 84 | 58 | 179 | 152 | 78 | 66 | 71 | 69 | 1063 | 6.06 | 3.5 |
| From 1 to 2 years..... | 11 | 6 | 14 | 16 | 28 | 14 | 22 | 35 | 22 | 20 | 18 | 9 | 215 | 1.23 | 7.1 |
| " 2 to 3 " | 7 | 9 | 15 | 9 | 22 | 11 | 6 | 15 | 6 | 14 | 19 | 23 | 156 | .9 | 5.1 |
| " 3 to 4 " | 9 | 9 | 7 | 6 | 11 | 4 | 6 | 7 | 4 | 5 | 17 | 14 | 99 | .5 | 3.3 |
| " 4 to 5 " | 8 | 5 | 9 | 3 | 4 | 8 | 3 | 8 | 1 | 6 | 14 | 11 | 80 | .5 | 2.6 |
| Total Under 5 | 76 | 94 | 155 | 124 | 149 | 95 | 216 | 217 | 111 | 111 | 139 | 126 | 1613 | 9.21 | 53.1 |
| From 5 to 10 years..... | 12 | 9 | 15 | 13 | 16 | 13 | 10 | 13 | 12 | 19 | 37 | 34 | 208 | 1.16 | 7.0 |
| " 10 to 15 " | 6 | 5 | 5 | 4 | 8 | 5 | 5 | 7 | 6 | 5 | 6 | 12 | 74 | .42 | 2.4 |
| " 15 to 20 " | 8 | 5 | 5 | 5 | 2 | 3 | 7 | 6 | 12 | 3 | 4 | 12 | 72 | .42 | 2.4 |
| " 20 to 25 " | 4 | 4 | 6 | 6 | 10 | 4 | 6 | 18 | 7 | 6 | 10 | 10 | 91 | .52 | 3.0 |
| " 25 to 30 " | 4 | 9 | 15 | 10 | 10 | 3 | 3 | 10 | 8 | 9 | 10 | 9 | 100 | .57 | 3.3 |
| " 30 to 35 " | 6 | 9 | 9 | 8 | 11 | 8 | 4 | 6 | 10 | 6 | 9 | 6 | 92 | .53 | 3.0 |
| " 35 to 40 " | 7 | 5 | 12 | 7 | 4 | 8 | 9 | 12 | 8 | 11 | 10 | 5 | 98 | .53 | 3.1 |

TABLE No. 2—Continued.

| | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. | Death Rate Per 1,000. | Percentage of Each Cause on Total. |
|--------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|--------------------------|--|
| " 40 to 45 " | 6 | 7 | 18 | 1 | 6 | 4 | 9 | 6 | 6 | 8 | 3 | 14 | 88 | .5 | 2.9 |
| " 45 to 50 " | 4 | 4 | 7 | 4 | 3 | 4 | 5 | 8 | 3 | 7 | 9 | 11 | 69 | .39 | 2.3 |
| " 50 to 55 " | 2 | 6 | 13 | 9 | 6 | 6 | 5 | 12 | 3 | 5 | 12 | 5 | 84 | .48 | 2.7 |
| " 55 to 60 " | 5 | 11 | 8 | 8 | 7 | 6 | 4 | 10 | 2 | 8 | 11 | 8 | 88 | 5 | 2.9 |
| " 60 to 65 " | 5 | 7 | 10 | 4 | 8 | 6 | 6 | 4 | 3 | 7 | 5 | 3 | 68 | .39 | 2.3 |
| " 65 to 70 " | 4 | 5 | 9 | 10 | 10 | 8 | 5 | 12 | 3 | 3 | 4 | 3 | 76 | .44 | 2.5 |
| " 70 and over | 17 | 23 | 26 | 26 | 23 | 16 | 20 | 30 | 17 | 6 | 6 | 17 | 227 | 1.3 | 7.5 |
| Total..... | 168 | 203 | 313 | 289 | 273 | 189 | 314 | 371 | 206 | 214 | 275 | 275 | 3038 | 17.36 | 100. |

TABLE NO. 3.
SHOWING THE NUMBER OF DEATHS BY WARDS, FROM ZYMOTIC DISEASES, ALL CAUSES, AND EXCLUSIVE OF
THOSE IN PUBLIC INSTITUTIONS, WITH POPULATION ACCORDING TO CENSUS OF 1870.

| WARDS. | Population by wards Census of 1870. | | | | | | | | | | | | | |
|--------------------|--|-------------|-------------|--------|-----------------|---------------|----------------|----------------------------|--------------------------|----------------------------|--|----------------------------------|----------------------|---|
| | Measles. | Scarlatina. | Diphtheria. | Croup. | Whooping Cough. | Typhus Fever. | Typhoid Fever. | All Diarrheal Diseases. | Cerebro Spinal Fever. | Other Zymotic Diseases. | Total Deaths from Zymotic Diseases. | Total Deaths from all Causes. | Public Institutions. | Total deaths exclu- sive of those in Public Institutions. |
| First ward... | 1 | 7 | 21 | 9 | ... | 1 | 1 | 17 | 1 | 5 | 63 | 162 | ... | 162 |
| Second ward | ... | 1 | ... | ... | 1 | ... | 3 | 7 | 1 | 4 | 17 | 81 | 8 | 78 |
| Third ward..... | ... | 2 | 2 | 1 | 1 | ... | 1 | 1 | ... | 1 | 9 | 20 | ... | 30 |
| Fourth ward..... | 5 | 12 | 22 | 3 | 3 | ... | 2 | 14 | ... | 6 | 67 | 245 | 13 | 232 |
| Fifth ward.... | 2 | 5 | 11 | 4 | 9 | 1 | 1 | 14 | ... | 7 | 64 | 203 | 2 | 201 |
| Sixth ward. | 14 | 28 | 19 | 9 | 4 | 1 | 10 | 34 | 2 | 19 | 130 | 422 | 86 | 336 |
| Seventh ward. | 3 | 39 | 8 | 3 | 3 | 1 | 7 | 16 | ... | 8 | 88 | 207 | ... | 207 |
| Eighth ward..... | 4 | 6 | 4 | 2 | 3 | ... | 1 | 21 | 2 | 8 | 51 | 119 | ... | 119 |
| Ninth ward..... | 4 | 4 | 4 | 2 | 3 | ... | 1 | 13 | 1 | 3 | 35 | 94 | ... | 94 |
| Tenth ward..... | 3 | 4 | 11 | 7 | 3 | ... | 3 | 26 | 1 | 5 | 63 | 185 | ... | 185 |

TABLE NO. 3—Continued.

| WARDS | Deaths. | | | | | | | | | | | | | Total Deaths Exclu- sive of those in Public Institutions. | Population by wards (Census of 1870. |
|------------------|----------|-------------|-------------|--------|-----------------|---------------|----------------|-----------------------------|--------------------------|----------------------------|--|----------------------------------|----------------------|---|---|
| | Measles. | Scarlatina. | Diphtheria. | Croup. | Whooping Cough. | Typhus Fever. | Typhoid Fever. | All Diarrhoeal Diseases. | Cerebro Spinal Fever. | Other Zymotic Diseases. | Total Deaths from Zymotic Diseases. | Total Deaths from all causes. | Public Institutions. | | |
| Eleventh ward | 7 | 2 | 9 | 6 | 4 | 2 | 2 | 21 | 2 | 8 | 63 | 221 | | 221 | 8,059 |
| Twelfth ward | 3 | 5 | 17 | 5 | 9 | | 2 | 20 | 3 | 13 | 77 | 224 | | 224 | 3,812 |
| Thirteenth ward | 2 | 7 | 7 | 7 | 4 | 1 | 3 | 15 | | 16 | 63 | 204 | 32 | 172 | 3,687 |
| Fourteenth ward | 4 | 18 | 25 | 6 | 6 | | 3 | 13 | | 4 | 79 | 218 | | 218 | 1,528 |
| Fifteenth ward | 3 | 1 | 4 | 4 | 1 | | 1 | 11 | 2 | 8 | 35 | 89 | 4 | 85 | 1,801 |
| Sixteenth ward | 1 | 4 | 8 | 1 | 1 | | 1 | 2 | 1 | 3 | 22 | 60 | | 60 | 5,550 |
| Seventeenth ward | | | 4 | | 3 | 1 | | 3 | | 3 | 14 | 66 | | 66 | 2,180 |
| Eighteenth ward | 2 | 12 | 4 | 4 | 2 | 1 | 4 | 18 | 2 | 2 | 51 | 208 | 17 | 191 | 6,227 |
| Total | 48 | 167 | 180 | 73 | 60 | 9 | 46 | 216 | 18 | 123 | 960 | 3038 | 162 | | 2876 |

TABLE NO. 4.

Showing the number of deaths by months during the year 1879 and corresponding months of 1878, with death rate per thousand and per cent. on total number of deaths.

| MONTHS. | Zymotic. | | All Causes. | | Death Rate per 1,000. | | Per centage of each month on Total. | |
|-----------------|----------|------|-------------|-------|-----------------------|-------|-------------------------------------|--------|
| | 1879 | 1878 | 1879 | 1878 | 1879 | 1878 | 1879 | 1878 |
| January | 46 | 43 | 166 | 184 | 95 | 1.14 | 5.46 | 6.79 |
| February | 41 | 29 | 203 | 165 | 1.16 | 1.02 | 6.68 | 6.08 |
| March | 60 | 24 | 313 | 188 | 1.79 | 1.16 | 10.3 | 6.93 |
| April | 40 | 30 | 239 | 173 | 1.35 | 1.07 | 7.87 | 6.38 |
| May | 76 | 34 | 273 | 179 | 1.54 | 1.10 | 9.00 | 6.60 |
| June | 43 | 32 | 189 | 189 | 1.08 | 1.17 | 6.22 | 6.99 |
| July | 140 | 135 | 314 | 353 | 1.79 | 2.19 | 10.33 | 13.02 |
| August | 165 | 115 | 371 | 287 | 2.12 | 1.76 | 12.22 | 10.59 |
| September | 84 | 119 | 206 | 289 | 1.16 | 1.77 | 6.78 | 10.66 |
| October | 74 | 105 | 214 | 254 | 1.22 | 1.57 | 7.04 | 9.37 |
| November | 118 | 91 | 275 | 233 | 1.6 | 1.44 | 9.05 | 8.59 |
| December | 108 | 63 | 275 | 216 | 1.6 | 1.33 | 9.05 | 8.00 |
| Total | 990 | 820 | 3,038 | 2,710 | 17.36 | 16.72 | 100.00 | 100.00 |

The death rate per thousand and percentage of 1878, as given above, was based upon an estimated population of 162,000, though a nearer and more accurate estimation places the population at \$175,000, upon which the rate per thousand and percentage of 1879 is based.

TABLE NO. 5.

Showing Sex, Social Condition, Color, with Rate per Thousand and Percentage of each on Total Number of Deaths.

| | Sex. | | Social Condit'n | | Color. | |
|---------------------------------|-------------|-------------|-----------------|-------------|-------------|-----------|
| | Males. | Fem'ls | Marr'd | Single. | White | Color'd |
| January | 97 | 69 | 55 | 111 | 156 | 10 |
| February | 104 | 99 | 76 | 127 | 197 | 6 |
| March | 161 | 152 | 114 | 199 | 306 | 7 |
| April..... | 126 | 113 | 74 | 165 | 235 | 4 |
| May..... | 189 | 134 | 77 | 196 | 265 | 8 |
| June..... | 101 | 88 | 65 | 124 | 187 | 2 |
| July..... | 159 | 155 | 65 | 249 | 307 | 7 |
| August..... | 194 | 177 | 84 | 287 | 362 | 9 |
| September..... | 111 | 95 | 55 | 151 | 199 | 7 |
| October..... | 119 | 95 | 65 | 149 | 211 | 3 |
| November | 136 | 139 | 71 | 204 | 272 | 3 |
| December | 141 | 134 | 80 | 195 | 271 | 4 |
| Total. | 1588 | 1450 | 881 | 2157 | 2968 | 70 |
| Rate per 1,000..... | 9.08 | 8.28 | 5.08 | 12.88 | 16.96 | .40 |
| Per Cent. of each on total..... | 52.3 | 47.7 | 29.00 | 71.00 | 97.7 | 2.3 |

TABLE NO. 6.
NATIVITY.

| | MALES. | FEMALES. | TOTAL. |
|--------------------------------|--------|----------|--------|
| Cleveland..... | 909 | 864 | 1833 |
| Other parts United States..... | 254 | 240 | 494 |
| Germany | 158 | 150 | 308 |
| Ireland | 91 | 94 | 185 |
| Canada..... | 14 | 17 | 31 |
| England..... | 44 | 40 | 84 |
| Bohemia | 18 | 19 | 37 |
| Other Forolgners..... | 38 | 22 | 60 |
| Unknown..... | 2 | 4 | 6 |
| Total | 1588 | 1450 | 3038 |

| MEAN RELATIVE HUMIDITY. | WIND. | | | AMOUNT OF RAIN AND MELTED SNOW. | |
|-------------------------|---------------------------------|---|--------|---------------------------------|---|
| | NUMBER OF MILES. | | | Amount in inches. | Number days on which rain or snow fell. |
| | Prevall- ing direc- tion. | Maxim'm velocity During month. | Total. | | |
| 74.0 | S. W. | 30 | 8427 | 2.16 | 18 |
| 73.6 | S. W. | 48 | 8132 | 2.88 | 19 |
| 73.7 | S. W. | 38 | 8168 | 3.50 | 25 |
| 64.8 | N. | 52 | 6953 | 2.03 | 19 |
| 56.1 | N. | 36 | 6371 | 2.43 | 10 |
| 66.4 | N. | 26 | 6042 | 4.26 | 16 |
| 68.6 | N. | 48 | 5856 | 5.72 | 20 |
| 68.8 | N. | 30 | 5675 | 4.20 | 12 |
| 66.6 | S. E. | 33 | 7064 | 3.60 | 15 |
| 70.2 | S. E. | 37 | 7382 | 1.32 | 13 |
| 73.6 | S. E. | 40 | 9809 | 5.22 | 19 |
| 79.7 | S. E. | 32 | 8387 | 4.19 | 22 |
| | | | | 41.51 | 208 |
| 70.2 | N. | 38.1 | 7355.5 | 3.46 | 17.3 |

JAMES B. NEWLIN,
Sergeant Signal Corps U. S. Army.

TABLE NO. 10.
BIRTHS REPORTED DURING THE YEAR ENDING DECEMBER 31, 1879.

| NATIONALITY..... | AMERICAN. | | GERMAN. | | IRISH. | | ENGLISH | | CANADIAN. | | BOHEMIAN. | | OTHER FOREIGN'RS | | TOTAL. |
|-----------------------|-----------|---------|---------|---------|--------|---------|---------|---------|-----------|---------|-----------|---------|------------------|---------|--------|
| | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | Male. | Female. | |
| MONTHS. | | | | | | | | | | | | | | | |
| January | 63 | 62 | 91 | 81 | 32 | 23 | 13 | 12 | 5 | 6 | 21 | 16 | 9 | 7 | 441 |
| February | 43 | 50 | 70 | 79 | 37 | 23 | 7 | 13 | 6 | 2 | 25 | 13 | 12 | 10 | 390 |
| March. | 51 | 43 | 92 | 74 | 29 | 33 | 14 | 7 | 6 | 3 | 21 | 12 | 18 | 17 | 420 |
| April..... | 36 | 35 | 70 | 54 | 25 | 27 | 11 | 7 | 2 | 1 | 21 | 10 | 10 | 11 | 320 |
| May | 46 | 42 | 60 | 59 | 33 | 26 | 13 | 10 | 4 | 4 | 15 | 12 | 15 | 13 | 362 |
| June.... | 60 | 37 | 76 | 71 | 23 | 23 | 19 | 11 | 10 | 6 | 16 | 13 | 13 | 14 | 402 |
| July. | 49 | 61 | 82 | 64 | 29 | 25 | 16 | 11 | 6 | 3 | 18 | 14 | 18 | 13 | 414 |
| August | 63 | 52 | 77 | 61 | 42 | 26 | 15 | 8 | 7 | 2 | 23 | 19 | 14 | 14 | 423 |
| September..... | 54 | 57 | 78 | 61 | 27 | 33 | 15 | 14 | 2 | 3 | 20 | 24 | 11 | 13 | 416 |
| October | 57 | 52 | 77 | 73 | 39 | 22 | 15 | 10 | 4 | 4 | 20 | 11 | 12 | 11 | 400 |
| November | 60 | 44 | 76 | 64 | 34 | 33 | 30 | 16 | 3 | 1 | 19 | 19 | 17 | 18 | 494 |
| December | 62 | 56 | 67 | 78 | 23 | 24 | 23 | 13 | 7 | 7 | 16 | 7 | 17 | 12 | 422 |
| Total by sex | 644 | 591 | 916 | 819 | 376 | 322 | 196 | 132 | 62 | 42 | 233 | 175 | 166 | 153 | 4,837 |
| Total both sexes..... | 1,235 | | 1,735 | | 698 | | 328 | | 104 | | 413 | | 324 | | 4,837 |

Secretary's Report.

REPORT

OF THE

HEALTH DEPARTMENT.

*To the Honorable Board of Police Commissioners of the City of
Cleveland, Ohio :*

GENTLEMEN :—I have the honor to submit herewith my Report of this Department for the year ending December 31st, 1879.

The Health Department is represented by the following officers :

W. B. REZNER, M. D. HEALTH OFFICER.
A. VALLENDAR..... SERGEANT SANITARY FORCE.

DISTRICT PHYSICIANS.

| | | |
|---------------|-----------------------|----------------------|
| 1st District, | 1st and 4th Wards.... | DR. J. F. GIBSON. |
| 2d " | 2d " 3d " | DR. H. H. POWELL. |
| 3d " | 5th " 7th " | DR. W. H. CAPENER. |
| 4th " | 6th " 15th " | DR. B. CYRIAX. |
| 5th " | 8th " 9th " | DR. CLARK TOWNSEND. |
| 6th " | 10th " 11th " | DR. H. A. SHEERWOOD. |
| 7th " | 12th " 13th " | DR. F. W. DAYKIN. |
| 8th " | 16th " 17th " | DR. F. H. CLARK. |
| 9th " | 14th " 18th " | DR. F. B. NORTON. |

SANITARY POLICE.

| | | |
|-----------------------------|--------------------------------------|----------------|
| 1st District, | 2d, 3d and 5th Wards | E. A WEBB. |
| 2d " | 1st " 4th " | W. E. HEFFRON. |
| 3d " | 6th " 15th " | H. ROEMER. |
| 4th " | 7th, 16th and 17th Wards | G. B. ERWIN. |
| 5th " | 8th and 9th Wards.... | G. P. COVERT. |
| 6th " | 12th Ward and slaughter houses. | A. MORRISON. |
| 7th " | 10th, 11th and 13th Wards.... | C. C. RAND. |
| 8th " | 14th and 18th Wards.... | I. RICHARDS. |
| House Sewer Connections.... | | JAS. CONNELLY. |

SMALL POX HOSPITAL.

CHAS. KOHLMAN.....STEWARD.
 MRS. A. KOHLMAN.....MATRON.

RECEIPTS.

| | |
|---|------------|
| For the removal of night soil in 1879 | \$6,009 55 |
| By paid Geo. Dart, contractor..... | 5,978 08 |
| | <hr/> |
| Balance on hand | \$31 47 |

EXPENSES.

| | |
|---|-------------|
| Health Officer, salary. | \$1,200 00 |
| Secretary to May 1st, salary..... | 333 34 |
| District Physicians, " | 3,503 26 |
| Police, " | 5,580 78 |
| Steward and Matron " | 550 00 |
| Supplies for Small Pox Hospital.... | 573 33 |
| Rents..... | 55 00 |
| Printing, Postage Stamps, Stationery and Miscellaneous..... | 440 81 |
| | <hr/> |
| Total in 1879..... | \$12,086 52 |
| Total in 1878..... | 11,414 18 |
| | <hr/> |
| Reduction..... | \$377 68 |

It has been customary in the past to discharge about one-half of the Sanitary Police on December 1st, but this year the month of December has been so unusually warm it was thought necessary to keep the men all on duty to the end of the year. On May 1st three additional District Physicians were appointed, and have been on duty up to December 31st. On the 9th day of May last the Honorable City Council passed an ordinance giving the Health Department control of all house sewer connections. An extra Sanitary Policeman was appointed June 17th, and especially assigned to this work.

The following tables show the cost of the Health Department for the past seven years:

| | |
|------------|-------------|
| 1873 | \$23,416 14 |
| 1874 | 25,056 38 |
| 1875 | 19,549 38 |
| 1876 | 16,168 05 |
| 1877 | 14,106 11 |
| 1878 | 12,414 18 |
| 1879 .. | 12,086 52 |

It will be noticed that with an increased number of men the expenses of the Department are \$377.66 less than in 1878, and that the total expenses of this department for 1879 are less than one-half of what they were in 1874. It would seem that the expenses of the department are about as low as any person can expect. Following this are tables showing the work accomplished by the District Physicians and Sanitary Police during the year, all of which is

Respectfully submitted.

THOMAS KING,

Secretary Board of Police.

TABLE No. 2.

ANNUAL REPORT OF PHYSICIAN FOR DISTRICT NO. 2,

Comprising the Second and Third Wards; Year ending December 31, 1879.

| DISEASES. | Under 1 Year. | Under 2 Years | Under 5 Years | Under 10 Years. | Under 20 Years. | Under 40 Years. | Under 50 Years. | Under 60 Years. | Under 70 Years. | Over 70 Years | Males. | Females. | Married. | Single. | Color. | Prescriptions, No. of | Visits made No. of | American. | German. | English. | Irish. | Jews. | Bohemian. | Negroes. | All others. | Total. |
|----------------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|--------|----------|----------|---------|--------|-----------------------|--------------------|-----------|---------|----------|--------|-------|-----------|----------|-------------|--------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zymotic..... | 1 | 3 | 7 | 19 | 6 | 16 | .... | 2 | ... | ... | 35 | 19 | 3 | 51 | W | 113 | 72 | 18 | 2 | 11 | 22 | 1 | ... | ... | ... | 54 |
| Constitutional | 4 | 2 | .... | 3 | 9 | 30 | 25 | 21 | 5 | 4 | 42 | 70 | 59 | 53 | W | 262 | 159 | 28 | 2 | 11 | 71 | ... | ... | ... | ... | 112 |
| Local..... | 6 | 4 | 10 | 13 | 22 | 69 | 33 | 15 | 3 | 3 | 65 | 114 | 70 | 109 | W | 333 | 177 | 43 | 8 | 11 | 109 | 3 | ... | ... | 5 | 179 |
| Developmental..... | .... | .... | .... | .... | .... | 7 | .... | .... | .... | .... | .... | 7 | 6 | 1 | W | 16 | 17 | 1 | .... | 2 | 4 | .... | .... | .... | ... | 7 |
| Violence..... | .... | 2 | .... | 1 | .... | 10 | 2 | 2 | 2 | .... | 14 | 5 | 11 | 8 | W | 25 | 16 | 1 | 2 | 1 | 14 | 1 | .... | .... | ... | 19 |
| Total.... | 11 | 9 | 19 | 36 | 37 | 141 | 60 | 40 | 10 | 7 | 156 | 215 | 149 | 222 | | 749 | 441 | 91 | 14 | 36 | 220 | 5 | ... | ... | 5 | 371 |

TABLE No. 4.
ANNUAL REPORT OF PHYSICIAN FOR DISTRICT NO. 4,
Comprising the Sixth and Fifteenth Wards; Year ending December 31, 1879.

| DISEASES. | Under 1 Year. | Under 2 Years | Under 5 Years | Under 10 Years. | Under 20 Years. | Under 40 Years. | Under 50 Years. | Under 60 Years. | Under 70 Years. | Over 70 Years | Males. | Females. | Married. | Single. | Color. | Prescriptions, No. of | Visits made No. of | American. | German. | English. | Irish. | Jews. | Bohemian. | Negroes. | All others. | Total. | |
|----------------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|--------|----------|----------|---------|--------|-----------------------|--------------------|-----------|---------|----------|--------|-------|-----------|----------|-------------|--------|----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zymotic..... | 3 | 3 | 6 | 11 | 4 | 6 | ... | ... | 1 | ... | 18 | 16 | 5 | 29 | 25 | W | 41 | 57 | 1 | 22 | ... | 1 | ... | ... | 9 | 1 | 34 |
| Constitutional | ... | ... | ... | ... | 3 | ... | 3 | 3 | ... | 2 | 7 | 4 | 11 | ... | 3 | | 14 | 37 | ... | 3 | ... | ... | ... | 8 | ... | 11 | |
| Local..... | 7 | ... | 1 | 2 | 6 | 9 | 6 | 6 | 1 | ... | 17 | 21 | 22 | 16 | 21 | | 69 | 67 | 1 | 17 | ... | 1 | 1 | 17 | 1 | 38 | |
| Developmental..... | ... | ... | ... | ... | 2 | 1 | ... | ... | ... | 1 | 1 | 3 | 2 | 2 | 3 | | 5 | 13 | 2 | 1 | ... | ... | ... | 1 | ... | 4 | |
| Violence..... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | 1 | ... | 1 | | 2 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | |
| Total.... | 10 | 3 | 7 | 13 | 15 | 16 | 10 | 9 | 2 | 3 | 44 | 44 | 41 | 47 | 53 | | 131 | 174 | 4 | 43 | ... | 2 | ... | 1 | 35 | 3 | 88 |

TABLE No. 5.
ANNUAL REPORT OF PHYSICIAN FOR DISTRICT NO. 5,
Comprising the Eighth and Ninth Wards; Year ending December 31, 1879.

| DISEASES. | AGE. | | | | | | | | | | Over 70 Years | Males. | Females. | Married. | Single. | Color. | Prescriptions, No. of | Visits made No. of | American. | German. | English. | Irish. | Jews. | Bohemian. | Negroes. | All others. | Total. |
|----------------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|---------------|--------|----------|----------|---------|--------|-----------------------|--------------------|-----------|---------|----------|--------|-------|-----------|----------|-------------|--------|
| | Under 1 Year. | Under 2 Years | Under 5 Years | Under 10 Years. | Under 20 Years. | Under 40 Years. | Under 50 Years. | Under 60 Years. | Under 70 Years. | | | | | | | | | | | | | | | | | | |
| Zymotic..... | 1 | 1 | 10 | 9 | 7 | 19 | 4 | 1 | 1 | 3 | 28 | 28 | 22 | 34 | W | 72 | 97 | 8 | 2 | 3 | 42 | ... | ... | ... | 1 | 56 | |
| Constitutional | ... | ... | ... | 3 | 6 | 15 | 9 | 16 | 8 | 4 | 35 | 26 | 45 | 16 | " | 116 | 28 | 10 | 1 | 1 | 45 | ... | ... | ... | 4 | 61 | |
| Local. | 3 | 5 | 5 | 13 | 25 | 69 | 33 | 21 | 18 | 9 | 101 | 100 | 118 | 83 | " | 323 | 149 | 22 | 11 | 7 | 157 | ... | ... | ... | 4 | 201 | |
| Developmental..... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | ... | " | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | |
| Total.... | 4 | 6 | 15 | 25 | 38 | 104 | 46 | 38 | 27 | 16 | 164 | 155 | 186 | 133 | ... | 512 | 275 | 40 | 14 | 11 | 245 | ... | ... | ... | 9 | 88 | |

TABLE No. 6.
ANNUAL REPORT OF PHYSICIAN FOR DISTRICT NO. 6,
Comprising the Tenth and Eleventh Wards; Year ending December 31, 1879.

| DISEASES. | Under 1 Year. | Under 2 Years | Under 5 Years | Under 10 Years. | Under 20 Years. | Under 40 Years. | Under 60 Years. | Under 70 Years. | Over 70 Years | Males. | Females. | Married. | Single. | Color. | Prescriptions, No. of | Visits made No. of | American. | German. | English. | Irish. | Jews. | Bohemian. | Negroes. | All others. | Total. | |
|----------------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|--------|----------|----------|---------|--------|-----------------------|--------------------|-----------|---------|----------|--------|-------|-----------|----------|-------------|--------|-----|
| | 11 | 21 | 30 | 54 | 64 | 187 | 60 | 11 | 3 | 4 | 219 | 226 | 172 | 273 | .. | 1164 | 1262 | 116 | 148 | 19 | 146 | ... | 8 | 6 | 2 | 445 |
| Zymotic..... | 6 | 8 | 9 | 20 | 10 | 20 | 5 | ... | ... | ... | ... | ... | ... | W | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Constitutional | 1 | 3 | 6 | 3 | 13 | 50 | 10 | 2 | ... | ... | ... | ... | ... | " | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Local..... | 3 | 10 | 15 | 31 | 42 | 116 | 45 | 9 | 3 | 2 | ... | ... | ... | " | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Developmental..... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | " | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Total..... | 11 | 21 | 30 | 54 | 64 | 187 | 60 | 11 | 3 | 4 | 219 | 226 | 172 | 273 | .. | 1164 | 1262 | 116 | 148 | 19 | 146 | ... | 8 | 6 | 2 | 445 |

TABLE No. 7.
ANNUAL REPORT OF PHYSICIAN FOR DISTRICT NO. 7,
Comprising the Twelfth and Thirteenth Wards; Year ending December 31, 1879.

| DISEASES. | Age. | | | | | | | | | | | Males. | Females. | Married. | Single. | Color. | Prescriptions, No. of | Visits made No. of | American. | German. | English. | Irish. | Jews. | Bohemian. | Negroes. | All others. | Total. |
|----------------------|------|-----|-----|-----|----|----|----|-----|-----|----|----|--------|----------|----------|---------|--------|-----------------------|--------------------|-----------|---------|----------|--------|-------|-----------|----------|-------------|--------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zymotic..... | 7 | 5 | 14 | 7 | 3 | 15 | 3 | ... | ... | 30 | 24 | 17 | 37 | W | 308 | 297 | 20 | 18 | ... | 7 | ... | 12 | ... | 2 | 54 | | |
| Constitutional | ... | ... | 1 | ... | 1 | 11 | 8 | ... | 3 | 4 | 10 | 18 | 23 | 5 | " | 131 | 95 | 3 | 15 | 2 | ... | 8 | ... | ... | 28 | | |
| Local. | 7 | 2 | 8 | 4 | 15 | 28 | 7 | 3 | ... | 1 | 42 | 33 | 31 | 44 | " | 254 | 233 | 35 | 15 | 1 | 9 | 17 | ... | ... | 75 | | |
| Developmental..... | 1 | ... | ... | ... | 1 | 3 | 1 | ... | ... | 2 | 4 | 2 | 4 | 4 | " | 13 | 20 | ... | 3 | ... | 1 | 2 | ... | ... | 6 | | |
| Total.... | 15 | 7 | 23 | 11 | 20 | 57 | 19 | 3 | 3 | 5 | 84 | 79 | 73 | 90 | ... | 796 | 645 | 58 | 44 | 3 | 17 | ... | 39 | ... | 2 | 163 | |

TABLE No. 8.
ANNUAL REPORT OF PHYSICIAN FOR DISTRICT NO. 8,
Comprising the Sixteenth and Seventeenth Wards; Year ending December 31, 1879.

| DISEASES. | Under 1 Year. | Under 2 Years | Under 5 Years | Under 10 Years. | Under 20 Years. | Under 40 Years. | Under 50 Years. | Under 60 Years. | Under 70 Years. | Over 70 Years | Males. | Females. | Married. | Single. | Color. | Prescriptions, No. of | Visits made No. of | American. | German. | English. | Irish. | Jews. | Bohemian. | Negroes. | All others. | Total. |
|----------------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|--------|----------|----------|---------|--------|-----------------------|--------------------|-----------|---------|----------|--------|-------|-----------|----------|-------------|--------|
| | | | | | | | | | | | | | | | W | | | | | | | | | | | |
| Zymotic..... | 7 | 4 | 7 | 6 | 7 | 20 | 7 | 3 | 2 | ... | 40 | 23 | 19 | 44 | 54 | 152 | 82 | 28 | 11 | 6 | 9 | ... | ... | 7 | ... | 63 |
| Constitutional | ... | 2 | 1 | 5 | 6 | 20 | 6 | 4 | ... | 2 | 18 | 26 | 23 | 21 | 41 | 132 | 114 | 26 | 9 | 5 | 3 | ... | ... | 3 | ... | 44 |
| Local..... | ... | 1 | 2 | 3 | 10 | 33 | 13 | 4 | ... | 3 | 32 | 38 | 32 | 38 | 65 | 168 | 95 | 30 | 20 | 4 | 9 | ... | 1 | 5 | 1 | 70 |
| Developmental..... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 | 2 | 11 | 17 | 2 | ... | ... | ... | ... | ... | ... | ... | 2 |
| Total.... | 7 | 7 | 10 | 14 | 25 | 73 | 26 | 11 | 2 | 5 | 90 | 89 | 74 | 105 | 162 | 463 | 308 | 86 | 40 | 15 | 21 | ... | 1 | 15 | 1 | 179 |

Sanitary Force during the year ending December 31, 1879.

A. VALLENDAR, *Sergeant.*

| Sewers. | Sewers, connection. | Stables. | Stables, cow. | Streets, filthy. | Swill and garbage. | Water closets. | Wells. | Vaults, privy, closed. | Vaults, privy, new. | Vaults, privy, cleaned | Yards. | Total. |
|---------|---------------------|----------|---------------|------------------|--------------------|----------------|--------|------------------------|---------------------|------------------------|--------|--------|
| 34 | ..... | 42 | 43 | 62 | 450 | 40 | 2 | 3 | 7 | 58 | 217 | 2,802 |
| 12 | 3 | 55 | 28 | 20 | 327 | 15 | 10 | 2 | 12 | 170 | 228 | 2,103 |
| 30 | 4 | 49 | 38 | 28 | 455 | 26 | 8 | ..... | 11 | 176 | 545 | 3,830 |
| 31 | 11 | 68 | 84 | 24 | 465 | 30 | 12 | 10 | 57 | 209 | 773 | 4,318 |
| 43 | 50 | 84 | 71 | 64 | 349 | 40 | 17 | 23 | 44 | 239 | 596 | 4,377 |
| 43 | 28 | 83 | 78 | 32 | 386 | 44 | 24 | 15 | 44 | 270 | 511 | 4,082 |
| 58 | 16 | 68 | 51 | 26 | 417 | 38 | 28 | 9 | 27 | 206 | 469 | 3,544 |
| 41 | 21 | 76 | 75 | 34 | 429 | 38 | 26 | 14 | 25 | 236 | 475 | 3,783 |
| 38 | 23 | 82 | 60 | 26 | 428 | 44 | 25 | 23 | 42 | 224 | 522 | 3,877 |
| 51 | 25 | 91 | 50 | 22 | 417 | 31 | 23 | 18 | 46 | 261 | 537 | 3,906 |
| 49 | 32 | 84 | 52 | 39 | 523 | 31 | 15 | 15 | 49 | 233 | 630 | 4,543 |
| 36 | 23 | 73 | 45 | 50 | 405 | 46 | 8 | 11 | 21 | 67 | 394 | 3,193 |
| 165 | 233 | 855 | 675 | 427 | 5,051 | 423 | 198 | 143 | 385 | 2,349 | 5,897 | 43,858 |

pecting house drainage and sewerage. One officer has been
ation of the Health Ordinances.

Sanitary Force during the year ending December 31, 1879.

A. VALLENDAR, *Sergeant.*

| Sewers. | Sewers, connection. | Stables. | Stables, cow. | Streets, filthy. | Swill and garbage. | Water closets. | Wells. | Vaults, privy, closed. | Vaults, privy, new. | Vaults, privy, cleaned | Yards. | Total. |
|---------|---------------------|----------|---------------|------------------|--------------------|----------------|--------|------------------------|---------------------|------------------------|--------|--------|
| 34 | ..... | 42 | 43 | 62 | 450 | 40 | 2 | 3 | 7 | 58 | 217 | 2,802 |
| 12 | 3 | 55 | 28 | 20 | 327 | 15 | 10 | 2 | 12 | 170 | 228 | 2,103 |
| 30 | 4 | 49 | 38 | 28 | 455 | 26 | 8 | ..... | 11 | 176 | 545 | 3,330 |
| 31 | 11 | 68 | 84 | 24 | 465 | 30 | 12 | 10 | 57 | 209 | 773 | 4,318 |
| 43 | 50 | 84 | 71 | 64 | 349 | 40 | 17 | 23 | 44 | 239 | 596 | 4,377 |
| 43 | 26 | 83 | 78 | 32 | 386 | 44 | 24 | 15 | 44 | 270 | 511 | 4,082 |
| 58 | 16 | 68 | 51 | 26 | 417 | 38 | 28 | 9 | 27 | 206 | 469 | 3,544 |
| 41 | 21 | 76 | 75 | 34 | 429 | 38 | 26 | 14 | 25 | 236 | 475 | 3,783 |
| 38 | 22 | 82 | 60 | 26 | 428 | 44 | 25 | 23 | 42 | 224 | 522 | 3,877 |
| 51 | 25 | 91 | 50 | 22 | 417 | 31 | 23 | 18 | 46 | 261 | 537 | 3,906 |
| 49 | 32 | 84 | 52 | 39 | 523 | 31 | 15 | 15 | 49 | 233 | 680 | 4,543 |
| 35 | 23 | 73 | 45 | 50 | 405 | 46 | 8 | 11 | 21 | 67 | 394 | 3,193 |
| 465 | 233 | 855 | 675 | 427 | 5,051 | 423 | 198 | 143 | 385 | 2,349 | 5,897 | 43,858 |

pecting house drainage and sewerage. One officer has been
ation of the Health Ordinances.

ANNUAL REPORT
OF THE
Proceedings of the Police Court,
FOR THE YEAR ENDING
DECEMBER 31st, 1879.

Police Court Report.

To the City Council of the City of Cleveland :

NUMBER ARRAIGNED.

| | | |
|-----------------|--|-------|
| City Cases. . . | Number of persons arraigned.... | 5,176 |
| State Cases.... | Number of persons arraigned... .. | 1,130 |
| | Number of state examinations..... | 209 |
| | Total number arraigned before police court. | 6,515 |

FINES AND COSTS ASSESSED.

| | | |
|----------------------|--|-------------|
| City Cases..... | Amount of fines assessed..... | \$16,465 00 |
| " " | Amount of costs assessed | 4,384 70 |
| " " | Total amount of fines and costs asse'd | \$20,849 70 |
| State Cases. | Amount of fines assessed... .. | 6,642 00 |
| " " | Amount of costs assessed | 4,240 39 |
| State Examinations.. | Amount of costs assessed... .. | 2,053 84 |
| | Total am't fines and costs assessed.... | 12,936 23 |
| | Total amount of fines and costs as- sessed in city and state cases..... | \$33,785 93 |

FINES AND COSTS COLLECTED.

| | | | |
|-------------------|--|-------------|-------------|
| City Cases..... | Amount of fines collected.... | \$ 6,203 00 | |
| " " | Amount of costs collected..... | 2,236 52 | |
| " " | Total amount of fines and costs col'd..... | \$ 8,439 52 | |
| State Cases... .. | Amount of fines collected | 1,706 00 | |
| " " | Amount of costs collected..... | 2,126 34 | |
| " " | Total am't of fines and costs collected..... | 3,832 34 | |
| | Total amount of fines and costs col- lected in city and state cases. | | \$12,271 86 |

DISPOSITION OF MONEY COLLECTED.

| | | | |
|------------------|---|----------|-------------|
| | Am't. of fees paid witnesses & jurors | \$ 61 00 | |
| | Amount paid to Police Commission- ers for serving writs..... | 1,007 05 | |
| City Cases | Amount paid City Treasurer..... | 6,771 47 | |
| State Cases..... | Amount paid County Treasurer | 3,761 34 | |
| | Amount paid to Humane Society..... | 71 00 | |
| | Total amount disposed of. | | \$12,271 86 |

FINES AND COSTS COLLECTED AT WORKHOUSE.

| | | | |
|--|---|-------------|-------------|
| | Am't of fines and costs collected in city cases... .. | \$ 1,163 96 | |
| | Amount of fines and costs collected in state cases | 631 96 | |
| | Total amount collected at the Work- house in cash..... | \$ 1,795 94 | |
| | Total amount collected at the Police Court and Workhouse... .. | | \$14,067 80 |

CITY CASES.

| | |
|---|-------|
| Intoxication | 2,547 |
| Disorderly conduct | 487 |
| D.sturbance | 484 |
| Vagrancy | 205 |
| Suspicious person | 202 |
| Violating sidewalk ordinance | 177 |
| Visiting house of ill-fame | 91 |
| Abusing family | 90 |
| Residing in house of ill-fame | 83 |
| Violating health ordinance | 77 |
| Destroying property | 75 |
| Indecent conduct | 75 |
| Violating street ordinance | 58 |
| Keeping house of ill-fame | 40 |
| Violating Sunday liquor ordinance | 35 |
| Violating bathing ordinance | 34 |
| Common prostitutes | 33 |
| Careless driving | 27 |
| Violating property ordinance | 27 |
| " market " | 24 |
| " peddling " | 23 |
| " pound " | 23 |
| " fire arms " | 19 |
| " hack " | 18 |
| " Railroad " | 16 |
| " gambling " | 16 |
| Indecent exposure of person | 12 |
| Fast driving | 11 |
| Common beggar | 11 |
| Gambling | 10 |
| Violating park ordinance | 10 |
| Violating Viaduct ordinance | 9 |
| Habitual disturber of the peace | 9 |
| Keeping disorderly house | 8 |
| Violating ball ordinance | 8 |
| " bootblack " | 8 |
| " bridge " | 7 |
| " Sunday ordinance | 7 |
| " water works " | 6 |
| " express " | 6 |
| Homeless | 5 |
| Violating music ordinance | 4 |
| Violating junk ordinance | 4 |
| Keeping gambling house | 4 |
| Destroying city property | 4 |
| Violating waiter girl ordinance | 3 |
| " billiard " | 3 |

| | |
|---|--------------|
| Interfering with pound keeper..... | 3 |
| Obstructing street railroad..... | 2 |
| Selling intoxicating liquor to minors... | 2 |
| Prize fighting..... | 2 |
| Willfully neglecting and cruelly treating children..... | 2 |
| Peddling without a license..... | 2 |
| Indecent language..... | 2 |
| Violating weight and measure ordinance..... | 2 |
| " fire "..... | 2 |
| " carriage "..... | 2 |
| " wagon "..... | 1 |
| " publ'c resort "..... | 1 |
| " cemetery "..... | 1 |
| " auction "..... | 1 |
| " Sunday games "..... | 1 |
| " dog "..... | 1 |
| " street music "..... | 1 |
| " pawn broker "..... | 1 |
| " exhibition "..... | 1 |
| " street railroad "..... | 1 |
| " omnibus "..... | 1 |
| " building "..... | 1 |
| Indecent and lascivious conduct..... | 1 |
| Fast driving on bridge..... | 1 |
| Using scandalous language..... | 1 |
| Aiding prize fighting..... | 1 |
| Demurer to information..... | 1 |
| Run away from home..... | 1 |
| Renting a room for gambling..... | 1 |
| Practicing tricks and devices with intent to swindle..... | 1 |
| Total..... | 5.178 |

STATE CASES.

| | |
|--|-----|
| Assault and battery | 342 |
| Petit larceny | 340 |
| Violating railroad law | 52 |
| Incorrigible conduct | 47 |
| Carrying concealed weapons | 37 |
| Obstructing officer | 28 |
| Assaulting officer | 24 |
| Obtaining money by false pretenses | 24 |
| Resisting officer | 23 |
| Cruelty to animals | 22 |
| Contempt of court | 21 |
| Destroying property | 20 |
| Intoxication | 19 |
| Maliciously destroying property | 15 |
| Obtaining goods by false pretenses | 12 |
| Maliciously injuring property | 7 |
| Personating officer | 6 |
| Violating pawn broker law | 6 |
| Violating street railroad law | 5 |
| Embezzlement | 4 |
| House breaking | 4 |
| Dog fighting | 4 |
| Cruelty to children | 4 |
| Fornication | 4 |
| Adultery | 4 |
| Insane | 4 |
| Receiving stolen property | 3 |
| Cruelty to minors | 3 |
| Violating election liquor law | 3 |
| Keeping house of ill-fame | 3 |
| Buying and receiving stolen property | 3 |
| Homeless and neglected children | 3 |
| Assault and threatening | 2 |
| Neglecting and cruelly treating children | 2 |
| Carrying obscene model | 2 |
| Wrongfully using a horse | 2 |
| Fugitive from justice | 2 |
| Concealing stolen property | 1 |
| Keeping gambling rooms | 1 |
| Wrongfully using animal | 1 |
| Nuisance | 1 |
| Pointing and aiming pistol at a person | 1 |
| Refusing to assist officer | 1 |
| Neglect to children | 1 |
| Abusing child | 1 |
| Violating lottery law | 1 |
| Breaking and escaping from Workhouse | 1 |

| | |
|---|-------|
| Violating street car law... | 1 |
| Demurer ... | 1 |
| Willfully abusing a horse... | 1 |
| Carrying indecent model... | 1 |
| Threatening in a menacing manner... | 1 |
| Provoking a breach of the peace... | 1 |
| Disturbing religious meeting... | 1 |
| Demurer and motion to dismiss... | 1 |
| Plea in bar to charge of assault and battery... | 1 |
| Violating United States internal revenue law... | 1 |
| Violating state butter law... | 1 |
| Empiricism... | 1 |
| Deserter... | 1 |
| Abusing family... | 1 |
| <hr/> | |
| Total | 1,130 |

STATE EXAMINATIONS.

| | |
|--|-----|
| Grand larceny | 46 |
| Burglary | 42 |
| Horse stealing | 18 |
| Assault with intent to kill | 15 |
| Dog fighting | 12 |
| Cutting with intent to wound | 11 |
| Assault with intent to rape | 8 |
| Obtaining property by false pretenses | 8 |
| Obtaining money by false pretenses | 7 |
| Embezzlement | 5 |
| Passing counterfeit money | 4 |
| Shooting with intent to wound | 4 |
| Robbery | 4 |
| Obtaining goods by false pretenses | 3 |
| Forgery | 3 |
| Inducing illicit intercourse | 3 |
| Fugitive from justice | 2 |
| Shooting with intent to kill | 2 |
| Prize fighting | 2 |
| Sending letters with intent to obtain goods and to wrong and defraud { the owners thereof | 2 |
| Concealing stolen property | 1 |
| Falsely personating another | 1 |
| Making counterfeit money | 1 |
| Manslaughter | 1 |
| Bigamy | 1 |
| Murder | 1 |
| Rape | 1 |
| Highway robbery | 1 |
| Total | 209 |

Respectfully submitted,

WM BAXTER,

Police Clerk.

By CHARLES P. HALL,

Deputy Police Clerk.

SIXTH
ANNUAL REPORT
OF THE
BOARD
OF

Fire Commissioners

OF THE
CITY OF CLEVELAND.

For the Year Ending December 31, 1879.

Board of Fire Commissioners.

OFFICE CITY HALL BUILDING, ROOMS 13 & 15.

WM. H. RADCLIFFE, *President.*

Residence at No. 22 Carroll Street. Citizen Member, Term Expires April, 1890.

WM. H. LUTTON,

Residence at No. 2068 Miles Ave. Council Member, Term Expires April, 1890.

H. L. MELTON.

Residence at No. 18 Summit street. Citizen Member, Term Expires April, 1891

GEORGE GLOYD,

Residence at No 13 Burnham St. Citizen Member, Term Expires April, 1892.

JOSEPH SLAGHT,

Residence at No. 825 Logan Ave. Citizen Member, Term Expires April, 1893.

A. J. SPENCER, *Secretary.*

STANDING COMMITTEES.

MEN AND DISCIPLINE,
MESSRS. GLOYD AND SLAGHT.

ENGINES AND APPARATUS,
MESSRS. LUTTON AND GLOYD.

BUILDINGS AND REPAIRS.
MESSRS. LUTTON, SLAGHT AND THE CHIEF.

HORSES AND HORSE FEED
MESSRS. SLAGHT AND GLOYD.

EQUIPMENTS,
MESSRS. MELTON AND LUTTON.

TELEGRAPH,
MESSRS. MELTON AND SLAGHT.

WATER AND SUPPLIES.
MESSRS. GLOYD AND MELTON.

FINANCE,
MESSRS. SLAGHT, MELTON AND RADCLIFFE.

Officers of the Department.

JOHN A. BENNETT,

Chief Engineer.

Office at Engine House No. 1, and City Hall

JAMES DICKINSON,

First Assistant Chief Engineer.

Office at Engine House No. 6.

H. H. REBBECK,

Second Assistant Chief Engineer and Superintendent of Telegraph.

Office at Engine House No. 1 and City Hall.

JOSEPH SPEDDY,

Third Assistant Chief Engineer.

Office at Engine House No. 7.

The Chief and Assistants were appointed in May, 1876, and serve during good behavior.

Fire Commissioners' Report.

OFFICE OF THE BOARD OF FIRE COMMISSIONERS, {
CLEVELAND, OHIO, December 31, 1879. }

To the Honorable, the City Council :

GENTLEMEN :—In submitting to your honorable body the Sixth Annual Report of the Board of Fire Commissioners, for the year ending December 31, 1879, it will be given in about the same form as in 1878, embracing the

Financial condition of the Department covering the aggregate receipts and disbursements.

Running expenses, comparative since 1874.

Total number of fires, losses and insurance 1879.

Total number of fires and losses since 1864.

Superintendent of Telegraph's report.

Tables of receipts and disbursements.

Tables of company expenses and some suggestions.

It is unnecessary to offer any comments upon the efficiency of the Cleveland Fire Department, as it has already established a reputation which is commendable to all.

Chief Bennett and his able corps of assistants—Dickinson, Rebbeck and Speddy, have, by their gentlemanly deportment, and skillful management of fires, secured to themselves well-earned reputations, which place them in the front rank as firemen. There are no better in the world.

FIRE DEPARTMENT FORCE.

| | SALARIES PER ANNUM. |
|--|------------------------|
| John A. Bennett, Chief..... | \$2,000 00 |
| James Dickinson, First Assistant Chief. | 1,700 00 |
| H. H. Rebbeck, Second Assistant Chief and Sup't of Telegraph | 1,600 00 |
| Joseph Speddy, Third Assistant Chief..... | 1,500 00 |
| A. J. Spencer, Secretary..... | 1,200 00 |
| Thirteen engineers, each..... | 980 00 |
| Thirteen stokers, each..... | 744 00 |
| Thirteen leading hosemen, each..... | 744 00 |
| Four Captains of Hook and Ladder Companies, each | 980 00 |
| Four tillermen, each..... | 744 00 |
| One harness maker..... | 720 00 |
| One line repairer,..... | 720 00 |
| Three telegraph operators, each..... | 720 00 |
| Three supply drivers, each..... | 720 00 |
| Eighty-three firemen, each..... | 720 00 |

About two men to each company are appointed as subs, and are required to report to the company officer daily, and only receive pay for the time they serve in the absence of regular firemen. There are 142 men in all on the Fire Department force.

April 10th a very serious accident occurred on the Viaduct while responding to an alarm of fire. H. and L. truck, No. 2 collided with a street car, throwing the driver, Samuel A. Fitch, to the pavement with such force as to cause his death in a few hours after the accident.

John Maher and W. S. Clark, firemen in Engine Company No. 13, died last August, making in all three deaths during the year.

An accident occurred on the 21st day of October at about 6 o'clock in the evening. An alarm was sounded from box 12, and the night being very dark, in answering the alarm it was

necessary for Engine Company No. 6 to cross Columbus street bridge, which at the time was swung. without proper signals to warn people of danger, and the horses and engine with three men were precipitated into the river, a distance of 28 feet !

The horses were killed, the engine considerably damaged, while the engineer, Oliver Hartzell and three men, Henry Delany, John Moffatt and John Sewill miraculously escaped. They were somewhat bruised from the effects of the terrible fall, but nothing fatal.

The engine being heated for immediate service when submerged in the river, the sudden cooling of the boiler caused so much damage by contraction, that it will necessitate a new boiler to be made, the expense of which ought to be paid from the Bridge Fund.

APPARATUS.

The apparatus of the Department consists of fifteen steamers, of which five are first-sized rotaries of the Silsby manufacture; four of the second-sized rotaries of the Silby manufacture ; two of the third-sized rotaries of the Silby manufacture ; two of the second-sized piston of the Amoskeag pattern ; two of the third-sized piston manufactured by C. Ahrens & Co.; four hook and ladder trucks, provided with fire extinguishers, ladders, buckets, etc. ; four four-wheeled hose carriages ; eighteen two-wheeled hose carts ; eleven heaters; one aerial ladder; one patrol wagon ; three heavy open buggies, for Chief and assistants ; three fuel wagons ; one telegraph wagon, and six exercise wagons.

In Engine House No. 10 a chemical engine was left some years ago, and unless taken away soon the city can conscientiously claim it for storage.

HORSES.

There were sixty-nine horses in the Department at the close of the year, and only one sick.

The veterinarian branch is still under the management of the Chief, whose knowledge of horses enables him to treat them successfully.

HOSE.

| No. Ft. | Kind. | NAME OF MANUFACTURER. |
|---------|-------------------|--|
| 4,700 | Carb'l'zd Rubber. | Gutta Percha and Rubber Manufacturing Co., N. Y. City. |
| 7,600 | Rubber. | White Shield, by Cleveland Rubber Co. |
| 1,500 | Rubber. | Improved Process, by Whitehead Bros., Trenton, N. J. |
| 850 | Rubber. | White Anchor, by B. F. Goodrich & Co., Akron, Ohio. |
| 800 | Linen. | Unique, by Gutta Percha Rubber Manufacturing Co. |
| 350 | Cotton. | Boyd, by " " " " " " |
| 300 | Cotton. | Peerless, by Blake Hose Co., Boston, Mass. |
| 100 | Cotton. | Eureka, by Eureka Hose Co., New York. |
| 50 | Cotton. | Jacket Hose, by American Hose Co., Boston, Mass. |
| 16,250 | ..... | Total number of feet of Hose in the Department. |

The awarding of contracts to supply hose to the Fire Department is not always satisfactory. There being quite a number of agents in the country, it is natural that each one will do all in his power to sell the particular kind he represents.

The Board, in purchasing hose, endeavors to act for the very best interests of the city; therefore, in advertising for proposals, the advertisements are made general as in other cities, and the kinds of hose is determined after the bids are received. This is done to solicit competition, and to get hose at its lowest market value.

Should the Board advertise for only one kind—for example, the "Test Hose," then there could be no competition, and the agent representing that kind of hose might take advantage, and

place his bid at the highest market price instead of the lowest ; consequently the city would be the loser by several hundred dollars by this mode of purchasing than the manner adopted by the Board. It needs men of experience to deal with hose agents, and then they have to be careful or they are liable to be duped.

In awarding the last contract for hose it seemed strange to some because the Board accepted a bid at 95 cents per foot, when bids were much lower. The Board acted in good faith and did what, in its opinion, would be for the best interest of the city. Among the various kinds offered the "White Shield" was adopted on account of its weight, durability, &c., and the Cleveland Rubber Co. being the lowest bidders for that kind, the contract was given to that company to furnish 3,000 feet at 95 cents per foot. The contract made at that time—November 1st, 1879—saved the city \$450, as the price of that kind of hose increased in value to \$1 10 per foot shortly after. Everything else being equal, home manufacturers should always be encouraged.

RESERVOIRS.

Only two reservoirs have been built during the year—one at the corner of Garden street and Brooker avenue, and one at the corner of Kinsman and Herald streets. The capacity of the former is 760 8-10 barrels ; the capacity of the latter is 956 5-10 barrels.

FIRE ALARM TELEGRAPH.

The annexed report by Superintendent H. H. Rebbeck will show to what extent this branch is used.

STATEMENT OF ALARMS AND CAUSES IN 1879.

| CAUSE | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|----------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| Carelessness | 7 | 4 | 6 | 2 | 2 | . | 4 | 5 | 4 | 5 | 5 | 5 | 49 |
| Defective flues..... | 8 | 5 | 2 | 6 | 4 | 3 | 2 | 3 | 1 | 3 | 5 | 5 | 47 |
| Sparks | 1 | 1 | 6 | 9 | 18 | 4 | 8 | 5 | 2 | 5 | .. | 2 | 61 |
| Lamp explosions..... | 1 | .. | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | 1 | 7 |
| Gasoline explosions..... | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | 2 | 4 |
| Ignition of gas | 2 | .. | .. | .. | .. | .. | 2 | 1 | .. | .. | .. | .. | 5 |
| Incendiary..... | .. | 2 | .. | .. | .. | .. | 1 | .. | .. | .. | 2 | 1 | 6 |
| Accidental | .. | 1 | .. | 1 | 3 | .. | .. | .. | .. | .. | 2 | 1 | 8 |
| Spontaneous combustion... | .. | 2 | .. | .. | 2 | .. | 4 | 2 | .. | 1 | 1 | .. | 12 |
| Leaky oil still... .. | .. | 1 | .. | .. | 2 | .. | 3 | .. | .. | 1 | .. | .. | 4 |
| Child'n playing with match's | .. | .. | .. | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | 2 |
| " " " fire..... | .. | .. | .. | .. | 1 | 3 | .. | .. | 2 | .. | .. | .. | 9 |
| Friction..... | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | 1 | 3 |
| Ignition of chemicals | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| Chimneys burning..... | 2 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | 2 | 6 |
| Over heating. | 2 | 3 | .. | 1 | 1 | 1 | .. | 2 | .. | .. | 1 | 1 | 12 |
| Smoke house | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| Mice gnawing matches..... | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| Fire crackers..... | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | 2 |
| Oil kettle boiling over. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 |
| Leaky oil stove..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 1 |
| Stove upset..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| Lamp upset | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| Unknown | 6 | 4 | 2 | 6 | 12 | 1 | 4 | 3 | 3 | 3 | 4 | 2 | 50 |
| Total number of fires..... | 30 | 23 | 17 | 27 | 46 | 12 | 33 | 23 | 13 | 23 | 21 | 26 | 294 |
| Justifiable alarms & no fires | 2 | .. | 1 | 1 | .. | 1 | 2 | 1 | .. | 2 | .. | .. | 10 |
| Fires outside the city... .. | .. | 1 | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | 3 |
| Deliberate false alarms..... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| Commissioners calls..... | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | 2 |
| Total No. fires and alarms. | 31 | 24 | 18 | 28 | 48 | 13 | 35 | 24 | 15 | 25 | 21 | 27 | 310 |

STATEMENT OF LOSSES AND INSURANCE, 1879.

| MONTHS. | LOSSES. | INSURANCE. |
|----------------|--------------|--------------|
| January..... | \$48,362 00 | \$ 22,550 00 |
| February..... | 6,937 00 | 17,955 00 |
| March | 6,840 00 | 6,500 00 |
| April | 1,686 00 | 13,520 00 |
| May | 24,574 28 | 77,275 00 |
| June | 4,942 00 | 8,200 00 |
| July..... | 81,085 00 | 146,432 00 |
| August | 33,139 30 | 77,150 00 |
| September..... | 3,001 00 | 15,800 00 |
| October | 3,056 40 | 15,500 00 |
| November..... | 645 00 | 6,850 00 |
| December..... | 1,140 00 | 48,000 00 |
| Total | \$215,357 96 | \$455,532 00 |

The report of 1878 shows a loss of \$207,836 95 and 247 actual fires. The above statement exhibits a loss of only \$7,521 01 more, and 294 actual fires.

The most extensive fires during the year occurred in January, May, July and August.

On the 5th day of January, at 4:33 A. M., John Rock's buildings, at the corner of Woodland and Willson avenues, was discovered on fire, and he met with a loss of \$15,900. Then, on the 30th of the same month, Hempy & Co.'s Planing Mill burned, with a loss of \$30,000. May 20th, at 7:44 P. M., a fire occurred at the Globe Iron Works, resulting in a loss of \$16,467. The greatest fire was July 8th. when Denham's Planing Mill, Variety Iron Works, Woods, Perry & Co., and part of the A. & G. W. freight house were burned, with a loss of \$47,772. Then, on the 13th, in the same month, the Cleveland Paper Mill, on Canal street, took fire, the loss being \$25,000, and August 23d, the Cleveland Paper Co., on St. Clair street, suffered a loss of \$31,000.

The loss at those six fires amounts to \$160,339, more than two-thirds of the whole loss during the year.

RECEIPTS AND DISBURSEMENTS.

| | DISBURSE- MENTS. | RECEIPTS. | ORDERED | |
|---|---------------------|---------------|---------|----|
| January's disbursements and receipts.. .. . | \$ 10,537 42 | \$ 109 50 | | |
| February's " " " | 11,912 29 | 50 00 | | |
| March's " " " | 14,000 41 | 97 50 | | |
| April's " " " | 10,910 06 | 78,408 95 | e | Co |
| May's " " " | 10,601 13 | 192 45 | ses. | |
| June's " " " | 11,663 90 | 345 21 | | |
| July's " " " | 13,293 42 | 391 30 | .... | \$ |
| August's " " " | 12,478 96 | 51,731 53 | 61 | |
| September's " " " | 12,067 90 | 20 00 | ... | |
| October's " " " | 11,629 95 | 516 00 | .. | |
| November's " " " | 13,757 67 | 38 75 | .... |  |
| December's " " " | 18,939 88 | 206 00 | .... |  |
| Total amount of disbursements. | \$ 151,792 90 | | 50 | |
| Balance on hand January 1, 1880. | 13,942 93 | | ... | |
| Balance on hand January 1, 1879. | | 33,628 73 | 51 | |
| Total. | \$ 165,735 92 | \$ 165,735 92 | 82 | |
| | | | 44 | \$ |

This statement exhibits the actual amount disbursed and received during the year, and the following table will show the accounts as contracted in each month during the year, and paid one month after the supplies were received—that is, January's disbursements are bills contracted and rendered in December previous, and February's disbursements are bills rendered in January.

ORDERED PAID IN 1879.

| e ses. | Contingent. | Reservoirs. | Telegraph. | Services. | Amount. |
|-----------|-------------|-------------|-------------|--------------|--------------|
| ..... | \$ 84 17 | \$ 56 42 | \$ 84 89 | \$ 9,237 79 | \$ 11,843 92 |
| 61 | 1 50 | 11 76 | 21 95 | 9,306 28 | 13,867 52 |
| ... | 32 96 | 24 75 | 105 82 | 9,439 15 | 10,875 59 |
| .. | 17 24 | 211 65 | 4 80 | 9,473 62 | 10,514 92 |
| ..... | 8 00 | 24 68 | 654 01 | 9,374 05 | 11,672 11 |
| ..... | 25 43 | 75 00 | .... | 9,365 84 | 13,326 99 |
| 50 | 193 93 | 764 82 | 95 93 | 9,332 27 | 12,456 56 |
| .. | 42 27 | 561 54 | ..... | 9,354 67 | 12,036 25 |
| ..... | 37 00 | 20 00 | 158 42 | 9,386 32 | 11,608 14 |
| 51 | 83 94 | 134 11 | 842 99 | 9,408 13 | 13,685 89 |
| ..... | 163 62 | ..... | 475 55 | 9,480 01 | 18,945 76 |
| 82 | 25 48 | ..... | 9 18 | 9,373 81 | 12,936 06 |
| 44 | \$ 715 54 | \$ 1,884 23 | \$ 2,453 04 | \$112,531 92 | \$153,769 71 |

COMPARATIVE EXPENSES SINCE 1874.

| YEAR. | No. of Min. Men | No. of Firemen | No. of Houses. | DISBURSE- MENTS. | RUNNING EXPENSES. |
|---------------------------|--------------------|-------------------|-------------------|---------------------|----------------------|
| 1874..... | 2 | 116 | 10 | \$161,991 64 | \$138,267 39 |
| 1875..... | 54 | 98 | 11 | 170,978 59 | 140,705 71 |
| 1876..... | ..... | 143 | 11 | 149,894 72 | 136,153 87 |
| 1877..... | ..... | 143 | 13 | 156,019 12 | 147,340 00 |
| 1877—unpaid accounts..... | ..... | ..... | ..... | 19,480 88 | ..... |
| 1878..... | ..... | 143 | 13 | 159,970 44 | 144,034 56 |
| 1879..... | ..... | 142 | 13 | 151,792 99 | 146,721 15 |

Seventeen thousand four hundred and eighty dollars and eighty-eight cents, unpaid accounts in 1877, were paid in 1878.

SOME OF THE EXPENSES IN 1879

| | |
|---|------------|
| One fire engine, Amoskeag, built by Manchester Locomotive Works | \$3,000 00 |
| Repairs on Engines Nos. 3 and 6, by Silsby Manufacturing Co... | 952 50 |
| One hose carriage, built by Silsby Manufacturing Co..... | 600 00 |
| Three extension ladders, by S. M. Stewart..... | 465 00 |
| Three exercise wagons, by C. Rauch..... | 250 00 |
| Three exercise wagons, by Harm & Schuster..... | 234 00 |
| Four fire alarm boxes..... | 440 00 |
| 6,500 feet of rubber hose, Cleveland Rubber Co.. | 5,775 00 |
| Repairs on reservoirs, and three built | 1,285 00 |
| Addition to Engine House No. 3..... | 725 00 |
| Relief valves and nozzles. | 384 00 |
| Twenty-three horses... .. | 3,760 00 |
| Lot on Columbus St | 686 06 |
| One telegraph wagon, by Gabriel & Bro | 150 00 |
| Taxes | 185 78 |

COMPARISON.

·In the Annual Report of 1878 the Cleveland Fire Department is compared with the New York Fire Department; in this Report we will compare the Fire Department of Albany, N. Y., with the Department of Cleveland.

BUREAU OF CHIEF OF DEPARTMENT.

| ALBANY. | Salari's Per An'um | CLEVELAND. | Salari's Per An'um |
|----------------------------------|--------------------------|---------------------------------|--------------------------|
| James McQuade, Chief..... | \$2,500 | Jon A. Bennett, Chief..... | \$2,000 |
| J. C. Griffin, Ass't Engineer... | 250 | James Dickinson, 1st Ass't..... | 1,700 |
| J. C. Mull, " " | 250 | H. H. Rebbeck, 2nd Ass't..... | 1,000 |
| Geo. E. Mink, " " | 250 | Joseph Speddy, 3d Ass't..... | 1,500 |
| Wm. K. Clute, " " | 250 | | |

SECRETARIES.

| | | | |
|----------------------|---------|--------------------|---------|
| J. C. Cuyler..... | \$1,000 | A. J. Spencer..... | \$1,200 |
| Lewis J. Miller..... | 600 | | |

TELEGRAPH DEPARTMENT.

| | | | |
|--------------------------------|---------|-------------------------------|---------------------|
| Wm. J. Cull, Superintendent... | \$1,500 | H. H. Rebbeck, Sup't..... | Paid as 2d Ass't |
| John M. Carroll, Ass't..... | 1,040 | Geo. E. Bennet, Operator..... | \$ 720 |
| Wm. H. Cull, Operator. | 800 | Joseph Rothgary, Operator.... | 720 |
| J. B. Brayton, Operator | 800 | J. D. Barlow, Operator | 720 |
| | | Morris Hawley, Lineman | 720 |

ENGINE COMPANIES.

| | | | |
|-------------------------|---------|-------------------------------|--------|
| 8 Engineers, each... .. | \$1,080 | 13 Engineers, each | \$ 960 |
| 8 Firemen, each | 720 | 13 Stokers, each..... | 744 |
| 8 Drivers, each..... | 720 | 13 Loading horsemen, each.... | 744 |
| 8 Foremen, each... .. | 125 | 62 Firemen, each... .. | 720 |
| 8 Assistants, each..... | 100 | | |
| 112 Members, each. | 75 | | |

HOOK AND LADDER COMPANIES.

| | | | |
|-------------------|--------|-----------------|--------|
| 2 Tillermen, each | \$ 720 | 4 Captains each | \$ 960 |
| 2 Drivers | 720 | 4 Tillermen | 744 |
| 2 Foremen | 125 | 19 Firemen | 720 |
| 2 Assistants | 100 | | |
| 42 Members | 75 | | |

HOSE DEPOT.

| | | | |
|----------------------------------|----------|---------------------------------|--------|
| Jas. Shelley in charge of depot. | \$ 1,080 | John T. Blanvelt, harness m'k'r | \$ 720 |
| E. J. Dayton, assistant.... | 720 | | |

RELIEF EMPLOYES.

| | | | |
|--------------------------|----------|---------------------------------|--------|
| Phillip Ryan, engineer | \$ 1,080 | Walter Harris, supply driver... | \$ 720 |
| M. J. Dwyer, fireman | 720 | Wm. H. Newton, " " | 720 |
| John A. Herring, fireman | 720 | Lyman Waterbury " " | 720 |
| Thomas Lee, driver.. | 720 | | |

SUMMARY STATEMENT.

| | |
|--|--|
| Albany City has eight engine companies with 19 men in each company. Two hook and ladder companies, with 25 men in each company. | Cleveland City has thirteen engine companies with 8 men in each company. Four hook and ladder companies with 9 men in H. and L. Co. No. 1, and 7 in H. and L. Co. No. 2, and 6 in H. and L. Co. No. 3 and 5 men in H. and L. Co. No. 4. |
|--|--|

STATEMENT OF LOSSES AND FIRES SINCE APRIL 1, 1864.

| | DATE | YEAR. | FIRES. | LOSSES. |
|-----------------|------|-------|--------|--------------|
| To April..... . | 1 | 1865 | 68 | \$261,341 48 |
| “ | 1 | 1866 | 56 | 173,990 62 |
| “ | 1 | 1867 | 111 | 206,942 82 |
| “ | 1 | 1868 | 144 | 300,441 76 |
| “ | 1 | 1869 | 149 | 196,984 19 |
| “ | 1 | 1870 | 143 | 378,635 61 |
| “ | 1 | 1871 | 149 | 300,453 71 |
| “ | 1 | 1872 | 186 | 153,193 53 |
| To December.... | 31 | 1872 | 144 | 309,725 72 |
| “ | 31 | 1873 | 157 | 348,410 64 |
| “ | 31 | 1874 | 285 | 641,508 85 |
| “ | 31 | 1875 | 284 | 137,122 66 |
| “ | 31 | 1876 | 274 | 253,558 75 |
| “ | 31 | 1877 | 320 | 25,910 50 |
| “ | 31 | 1878 | 266 | 207,836 96 |
| “ | 31 | 1879 | 294 | 215,357 96 |

During the past fifteen years the above statement shows a loss of \$4,111,413 25, a sum that would cancel nearly one-half the indebtedness of Cleveland, and when we consider the vast amount of territory in the city, the large number of frame structures, the losses, when compared with other cities of like size and population, this does not seem so great; and yet, \$4,111,413 is a large amount of property to be destroyed.

An ordinance regulating new structures might be beneficial. A building committee of three or five competent persons should be appointed by the Mayor and confirmed by the Council, and plans of all new buildings should be submitted to this committee. A large number of fires are from defective flues or improperly constructed buildings.

ESTIMATED VALUE OF FIRE DEPARTMENT PROPERTY.

| | | |
|--|--|------------|
| Estimated value of thirteen engine houses and lots | | \$ 208,000 |
| " | 15 engines | 52,000 |
| " | 4 hook and ladder trucks equipped. | 8,300 |
| " | 1 aerial ladder..... | 1,200 |
| " | 122 reservoirs..... | 48,000 |
| " | 70 horses | 12,000 |
| " | 4 hose carriages, four wheeled. | 2,500 |
| " | 18 hose carts..... | 3,600 |
| " | 18,000 feet of hose.... | 12,800 |
| " | 31 telegraph instruments..... | 775 |
| " | 200 cells grove batteries and stand.... | 500 |
| " | 224 cells colland " " " | 336 |
| " | 1 register \$50, 3 galvanometers \$15 | 65 |
| " | 161 alarm boxes..... | 20,000 |
| " | 160 miles fire alarm line | 8,000 |
| " | 35 miles talking line | 1,800 |
| " | 35 miles talking line for police... .. | 1,800 |
| " | miscellaneous articles | 7,824 |
| Total value of property estimated..... | | \$ 384,500 |

It is customary to give an inventory of articles, but inventories of Fire Department property are of no particular interest to those who care to examine these reports.

The location of alarm boxes, location of reservoirs, a full description of each claim paid, the records of all the fires, are all omitted in this report, as such matter makes too large a volume.

ENGINE CO. NO. 1.

Engine House No. 1 is located at the corner of St. Clair and Academy streets, Fire Department Headquarters. The steamer is of the Amoskeag pattern, and built by the Manchester Locomotive Works, for \$3,600, it being second size. It was placed in service the 14th day of November, 1879.

| NO. OF MEN AND NAMES. | POSITION. | SALARIES PER YEAR. |
|------------------------|-------------------|-----------------------|
| John VanDevelde..... | Engineer .. | \$ 960 00 |
| Thomas Waters..... | Stoker .. | 744 00 |
| Charles Werner..... | Leading hoseman.. | 744 00 |
| Perry H. Anzer. | Fireman .. | 720 00 |
| William Matthews... .. | " .. | 720 00 |
| Thomas Porter | " .. | 720 00 |
| Thomas Broderick | " .. | 720 00 |
| Nelson Fairchild..... | " .. | 720 00 |
| Amount per year | | \$6,048 00 |

ENGINE CO. NO. 2.

Engine House No. 2 is located on Champlain street. The steamer is second size Amoskeag, placed in service January, 1872.

| NO. OF MEN AND NAMES. | POSITION. | SALARIES PER YEAR. |
|------------------------|----------------------|-----------------------|
| C. D. Murphy... .. | Engineer..... | \$ 960 00 |
| Wm. F. Jones..... | Stoker..... | 744 00 |
| John McWilliams. | Leading hoseman..... | 744 00 |
| Henry Williams..... | Fireman..... | 720 00 |
| W. A. Culbertson | " .. | 720 00 |
| William Witt | " .. | 720 00 |
| A. H. Rowe..... | " .. | 720 00 |
| Richard Gorman.. .. | " .. | 720 00 |
| Amount per year..... | | \$6,048 00 |

ENGINE CO. NO. 3.

Engine House No. 3 is located on Huntington street, near Garden, and has a first-class Rotary steamer, built by the Silsby Manufacturing Co., placed in service in November, 1871, and repaired with new boiler 1879.

| NO. AND NAME OF MEN. | POSITION. | SALARIES PER YEAR. |
|------------------------|-----------------------|--------------------|
| Ira C. Benton | Engineer | \$ 900 00 |
| Charles Riddles | Stoker | 744 00 |
| George Killip | Leading hoseman | 744 00 |
| Charles Hamlin | Fireman | 720 00 |
| William Reynolds | " | 720 00 |
| Charles Hebbig | " | 720 00 |
| George Speddy | " | 720 00 |
| George Messer | " | 720 00 |
| Amount per year | | \$6,048 00 |

ENGINE CO. NO. 4.

Engine House No. 4 is located at the corner of Church and State streets, and has a first-class Rotary, built by the Silsby Manufacturing Co., and placed in service March, 1873.

| NO. OF MEN AND NAMES. | POSITION. | SALARIES PER YEAR. |
|--------------------------|-----------------------|--------------------|
| William Long | Engineer | \$ 900 00 |
| Sheldon Wright | Stoker | 744 00 |
| Charles Varner | Leading hoseman | 744 00 |
| Edward Sewer | Fireman | 720 00 |
| Charles Anthony | " | 720 00 |
| John Andrews | " | 720 00 |
| Frank Anthony | " | 720 00 |
| Nelson R. Saunders | " | 720 00 |
| Amount per year | | \$6,048 00 |

ENGINE CO. NO. 5.

Engine House No. 5 is located on Phelps street, and has a third size Latta engine, built by C. Ahrens & Co., and placed in service in May, 1877.

| NUMBER OF MEN AND NAMES. | POSITION. | SALARY PER YEAR. |
|---------------------------|-----------------------|------------------|
| William H. Clayton | Engineer | \$ 960 00 |
| Henry H. Kurts.. | Stoker | 744 00 |
| Frederick P. Farrand..... | Leading hoseman... .. | 744 00 |
| George Eichhorn.. | Fireman | 720 00 |
| Henry Tucker..... | " | 720 00 |
| William H. Johnson.... | " | 720 00 |
| Frank Weber | " | 720 00 |
| Charles Wolf..... | " | 720 00 |
| Amount per year..... | | \$6,048 00 |

ENGINE CO. NO. 6.

Engine House No. 6 is located at the corner of Lorain and Brainard streets, and has a first size Rotary engine, built by the Silsby Manufacturing Co., and placed in service in March, 1873, at Engine House No. 2, and afterwards transferred to 6's house.

| NUMBER OF MEN AND NAMES | POSITION. | SALARY PER YEAR. |
|-------------------------|-----------------------|------------------|
| Oliver Hartzell..... | Engineer..... | \$ 960 00 |
| E. S. Yocum | Stoker | 744 00 |
| Michael McArdle..... | Leading hoseman | 744 00 |
| Peter McMahon | Fireman | 720 00 |
| John Schwartz. | " | 720 00 |
| Henry Delaney | " | 720 00 |
| Joseph W. Thomas..... | " | 720 00 |
| John Moffatt | " | 720 00 |
| Amount per year | | \$6,048 00 |

ENGINE CO. NO. 7.

Engine House No. 7 is located on Forest street, near Garden, and has a second size Rotary engine, built by the Silsby Manufacturing Co., and placed in service in 1874 at 5's house.

| NO. OF MEN AND NAME. | POSITION. | SALARIES PER YEAR. |
|------------------------|-----------------------|--------------------|
| William Korts | Engineer. | \$ 960 00 |
| Charles Schwind | Stoker | 744 00 |
| Joseph Sharp.. | Leading horseman..... | 744 00 |
| George Bruehler.... | Fireman..... | 720 00 |
| Maurice Price..... | " | 720 00 |
| Jacob Koehl... | " | 720 00 |
| Charles B. Knapp... .. | " | 720 00 |
| William H. Crane..... | " | 720 00 |
| Amount per year | | \$6,048 00 |

ENGINE CO. NO. 8.

Engine House No. 8 is located on Scranton avenue and has a third size Latta engine, built by C. Ahrens & Co., and placed in service in October, 1878.

| NO. OF MEN AND NAMES. | POSITION. | SALARIES PER YEAR. |
|-----------------------|-----------------------|--------------------|
| W. W. McMahon..... | Engineer... .. | \$ 960 00 |
| S. B. Conklin .. | Stoker..... | 744 00 |
| Wm. Weishelmer... .. | Leading horseman..... | 744 00 |
| B. L. Miles | Fireman..... | 720 00 |
| Otto Schuchard..... | " | 720 00 |
| A. H. Burger..... | " | 720 00 |
| Thomas D. Emsley.... | " | 720 00 |
| O. W. Kirk..... | " | 720 00 |
| Amount per year..... | | \$6,048 00 |

ENGINE CO. NO. 9.

Engine House No. 9 is located on Willson avenue, and has a first size Rotary engine, built by the Silsby Manufacturing Co., and placed in service May, 1863.

| NUMBER OF MEN AND NAMES. | POSITION. | SALARY PER YEAR. |
|--------------------------|--------------------|------------------|
| Frank I. Mears.. | Engineer..... | \$ 960 00 |
| Andrew Scovill..... | Stoker | 744 00 |
| Nicholas Clancy | Leading hoseman... | 744 00 |
| William Herr..... | Fireman ... | 720 00 |
| Frank S. Davis... .. | " | 720 00 |
| Frank D. Smith..... | " | 720 00 |
| Jacob W. Russ..... | " | 720 00 |
| Henry P. Boulton... .. | " | 720 00 |
| Amount per year..... | | \$6,048 00 |

ENGINE CO. NO. 10.

Engine House No. 10 is located on Doan street, and has a second size Rotary engine, built by the Silsby Manufacturing Co., and placed in service in November, 1862.

| NUMBER OF MEN AND NAMES. | POSITION. | SALARY PER YEAR. |
|--------------------------|----------------------|------------------|
| Frank Hughes..... | Engineer..... | \$ 960 00 |
| Henry Orland..... | Stoker..... | 744 00 |
| George Davis..... | Leading hosemen..... | 744 00 |
| John Ackley..... | Fireman | 720 00 |
| Andrew Brott..... | " | 720 00 |
| Henry Hart..... | " | 720 00 |
| Edgar Ostrander | " | 720 00 |
| Samuel Lemmon | " | 720 00 |
| Amount per year..... | | \$6,048 00 |

ENGINE CO. NO. 11.

Engine House No. 11 is located on the corner of Sawyer and Home streets, and has a second size Rotary engine, built by the Silsby Manufacturing Co. and exchanged, being placed in actual service in 1877.

| NO. OF MEN AND NAMES. | POSITION. | SALARIES PER YEAR. |
|-----------------------|----------------------|--------------------|
| Philip Walters..... | Engineer..... | \$ 980 00 |
| William Fenny..... | Stoker..... | 744 00 |
| Rees D. Jones..... | Leading hoseman..... | 744 00 |
| William Dehaney..... | Fireman..... | 720 00 |
| William H. Kneal..... | "..... | 720 00 |
| John D. Lewis..... | "..... | 720 00 |
| John McNanie..... | "..... | 720 00 |
| Amount per year..... | | \$5,328 00 |

ENGINE CO. NO. 12.

Engine House No. 12 is located on Waverley avenue, near Lorain street, and has a third size Rotary, built by the Silsby Manufacturing Co., and placed in service May, 1877.

| NO. OF MEN AND NAMES. | POSITION. | SALARIES PER YEAR. |
|------------------------|-------------------|--------------------|
| Henry VanDevelde.... | Engineer .. | \$ 980 00 |
| Henry Harmon, Sr .. | Stoker .. | 744 00 |
| James VanDevelde... | Leading hoseman.. | 744 00 |
| Henry Harmon, Jr. | Fireman .. | 720 00 |
| William Hartzell..... | "..... | 720 00 |
| Jacob Bruehler..... | "..... | 720 00 |
| James Cunningham..... | "..... | 720 00 |
| Samuel Jackett..... | "..... | 720 00 |
| Amount per year..... | | \$6,048 00 |

ENGINE CO. NO. 13.

Engine House No. 13 is located on Broadway, near Petrie street, and has a second size Rotary engine, built by the Silsby Manufacturing Co., and placed in service in September, 1867.

| NO. OF MEN AND NAMES. | POSITION. | SALARY PER YEAR. |
|------------------------|----------------------|---------------------|
| Joseph W. Baker..... | Engineer | \$ 980 00 |
| William H. Ney..... | Stoker..... | 744 00 |
| William H. Caddy | Leading hoseman..... | 744 00 |
| S. C. Higgins | Fireman | 720 00 |
| John Marsh | " | 720 00 |
| S. P. Aukens..... | " | 720 00 |
| Philip McCracken | " | 720 00 |
| W. B. Knowles..... | " | 720 00 |
| Amount per year..... | | \$6,048 00 |

HOOK AND LADDER CO. NO. 1,
IN ENGINE HOUSE NO. 1.

| NO. OF MEN AND NAME. | POSITIONS. | SALARY PER YEAR. |
|-------------------------|-----------------|---------------------|
| George Wallace..... | Captain | \$ 980 00 |
| Charles Doherty..... | Tillerman | 744 00 |
| Charles T. Garrard..... | Fireman | 720 00 |
| John Moxon | " | 720 00 |
| John McGloo. | " | 720 00 |
| James Quarrie..... | " | 720 00 |
| David Ward | " | 720 00 |
| Frank Dewy..... | " | 720 00 |
| Conrad Bender.... | " | 720 00 |
| Amount per year..... | | \$6,744 00 |

REPORT OF FIRE COMMISSIONERS.

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HOOK AND LADDER CO. NO. 2,
IN ENGINE HOUSE NO. 4.

| NO. OF MEN AND NAMES. | POSITIONS. | SALARY PER YEAR. |
|-------------------------|-----------------|---------------------|
| John T. Gillson.. .. . | Captain .. . | \$ 900 00 |
| Charles Fogg.... . | Tillerman | 744 00 |
| George H. Lamb. | Fireman .. . | 720 00 |
| S. Stephens .. . | " .. . | 720 00 |
| M. Mulcahey .. . | " .. . | 720 00 |
| Carlos White.. .. . | " .. . | 720 00 |
| Walter Chapman | " .. . | 720 00 |
| Amount per year .. . | | \$5,304 00 |

HOOK AND LADDER CO. NO. 3.
IN ENGINE HOUSE NO. 9.

| NUMBER OF MEN AND NAMES. | POSITION. | SALARY PER YEAR. |
|----------------------------|-------------------|---------------------|
| John P. Belz... .. . | Captain..... . | \$ 900 00 |
| Albert Stevens. | Tillerman. | 744 00 |
| Nathen Laroe .. . | Fireman .. . | 720 00 |
| George Emerich.... . | " .. . | 720 00 |
| Frederick Stockey. | " .. . | 720 00 |
| John Waterbury... .. . | " .. . | 720 00 |
| Amount per year..... . | | \$4,584 00 |

HOOK AND LADDER CO. NO. 4,
IN ENGINE HOUSE NO. 11.

| NUMBER OF MEN AND NAMES. | POSITION. | SALARY PER YEAR. |
|--------------------------|-------------------|---------------------|
| A. A. Cavanah | Captain .. . | \$ 900 00 |
| John Steele .. . | Tillerman..... . | 744 00 |
| Charles Sumner... .. . | Fireman | 720 00 |
| D. E. Hollister..... . | " .. . | 720 00 |
| John MacFeeters .. . | " .. . | 720 00 |
| Amount per year... .. . | | \$3,804 00 |

CITY DOCUMENTS.

TELEGRAPH.

| NUMBER OF MEN AND NAMES | POSITION. | SALARY PER YEAR. |
|-------------------------|----------------------|---------------------|
| Henry H. Rebbeck | Superintendent | |
| George E. Bennett | Operator | 720 00 |
| Joseph Rothgarry | " | 720 00 |
| John D. Barlow | " | 720 00 |
| Morris Hawley | Line man | 720 00 |
| Amount per year | | \$2,880 00 |

MISCELLANEOUS EMPLOYEES.

| NAMES. | POSITION. | SALARY PER YEAR. |
|------------------------|---------------------------|---------------------|
| John T. Blauvelt | Harness maker | \$ 720 00 |
| Walter Harris. | Supply driver No. 1 | 720 00 |
| Wm. H. Newton ... | " " No. 2 | 720 00 |
| Lyman Waterbury | " " No. 3 | 720 00 |
| Amount per year | | \$2,880 00 |

Yearly pay-roll amounts to \$112,160, without paying for any disability.

Fire Alarm Telegraph.

SUPERINTENDENT'S REPORT.

To John A. Bennett, Chief:

SIR :—In accordance with the rules of the Fire Department, I herewith submit my Annual Report in detail for the telegraph branch of the Department for the year ending December 31st, 1879.

The lines and instruments have all worked well during the year, except those on the West Side, and there the trees have caused more or less irregularities, by growing up to the lines, thereby retarding the working of them in damp weather.

Property owners object to having them trimmed, and I would again suggest that something be done by an ordinance regulating this matter. Five (5) new street boxes have been placed in the line, during the year, by order of the Board, and one box at the Standard Oil Works on Broadway, that company paying the expenses of said box. This makes a total of one hundred and sixty-one (161) fire alarm stations in the city.

About ten miles of new wire have been put up during the year, also a number of new poles. This was necessary in order to connect the new boxes and to replace old wire.

I would suggest that the fire alarm apparatus, instruments, batteries, etc., be removed to some room in the City Hall building, for convenience, and that telephones be used in the Department, instead of what is termed the "talking circuit," or "business line," and that line be converted into a "bell line," or circuit for sending alarms of fire only to the Department, thereby doing away with that great amount of ringing that is now done on fire gongs in testing and repairing lines.

The police lines continue to give satisfaction and work well. The number of messages sent over them during the year was 8,204, and the number received was 1,185, a total of 9,389, all placed on record for reference, besides about the same number has been sent and received (mere notices) and no record made.

The setting of poles has been done by the assistance of men in the several companies, but putting up new wires and other changes have been made by the men in the Telegraph Department, and they have accomplished a large amount.

I have also made a change in batteries, dispensing with the Grove or Acid battery, and adopting the Calland, which is more healthy to take care of and much cheaper to maintain, and can be placed in any building without damaging the building or impairing health.

The annexed tables will show the number of alarms given for each hour of the day, each day of the week, day of the month, number of box and its location.

Respectfully submitted by

H. H. REBBECK,

Superintendent of Fire Alarm Telegraph.

Respectfully referred to the Honorable Board of Fire Commissioners,

JOHN A. BENNETT,

Chief.

TABLE SHOWING THE NUMBER OF ALARMS FOR EACH HOUR OF THE DAY.

| 1879. | FORENOON. | | | | | | | | | | | | Total Morning. | AFTERNOON. | | | | | | | | | | | | Total Afternoon. | Total |
|-----------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|------------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| January | 1 | 2 | ... | 3 | 1 | 1 | 1 | ... | 3 | ... | 4 | ... | 16 | ... | 2 | 1 | ... | 2 | 3 | 1 | 3 | 3 | 1 | 4 | ... | 20 | 38 |
| February..... | 1 | 3 | ... | 1 | 2 | 2 | ... | 1 | 1 | 3 | 1 | 1 | 16 | ... | 1 | 3 | 1 | ... | ... | 1 | 1 | 4 | ... | 8 | ... | 14 | 30 |
| March..... | ... | ... | 1 | ... | ... | 1 | ... | 3 | 2 | 1 | 1 | ... | 9 | ... | ... | 1 | 2 | ... | 1 | 2 | 1 | 2 | ... | 1 | 1 | 10 | 19 |
| April..... | ... | ... | ... | ... | 2 | ... | 2 | 1 | 2 | 1 | 3 | 1 | 12 | ... | 1 | ... | 3 | ... | 2 | 2 | 2 | 1 | 1 | ... | 3 | 16 | 28 |
| May..... | 2 | 1 | ... | 1 | 3 | 1 | 2 | 1 | 1 | 4 | 6 | 4 | 26 | ... | 6 | 3 | ... | 5 | ... | 4 | 2 | 2 | 3 | ... | 2 | 27 | 53 |
| June..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 3 | ... | 1 | ... | 1 | ... | 2 | 1 | 2 | ... | ... | 2 | 12 | 15 | 15 |
| July.. .. | 3 | 1 | ... | ... | ... | 1 | 3 | 1 | 1 | ... | 1 | ... | 11 | ... | 4 | 3 | 2 | 2 | ... | 4 | ... | 2 | 1 | ... | 6 | 29 | 40 |
| August..... | 1 | ... | ... | 1 | 2 | ... | ... | ... | 7 | 1 | 3 | ... | 15 | ... | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 3 | 1 | ... | 2 | 17 | 32 |
| September | ... | 1 | ... | 1 | ... | ... | ... | 1 | ... | 1 | 1 | ... | 5 | ... | 1 | 4 | ... | ... | 3 | 1 | ... | ... | ... | 2 | 11 | 16 | 16 |
| October.... | 1 | 3 | 1 | ... | 1 | ... | 1 | 2 | ... | 2 | ... | 1 | 12 | ... | ... | ... | 2 | 2 | 2 | 2 | 2 | 3 | 1 | ... | 14 | 26 | 26 |
| November..... | ... | 1 | 1 | ... | 2 | 1 | 1 | ... | 1 | ... | 1 | 3 | 11 | ... | ... | 1 | 1 | 2 | 2 | 3 | 1 | ... | 2 | ... | 12 | 23 | 23 |
| December..... | 1 | ... | ... | ... | ... | 2 | 1 | 1 | 2 | 4 | 1 | 1 | 13 | ... | 2 | 1 | ... | 2 | 2 | 2 | 1 | 1 | 1 | ... | 15 | 28 | 28 |
| Total..... | 10 | 12 | 3 | 7 | 13 | 9 | 11 | 11 | 20 | 17 | 25 | 11 | 149 | ... | 11 | 18 | 14 | 16 | 18 | 24 | 18 | 20 | 13 | 8 | 18 | 197 | 346 |

TABLE SHOWING THE NUMBER OF ALARMS FOR EACH DAY OF THE WEEK.

| DAYS. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total |
|---------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Sunday..... | 6 | 1 | 3 | 2 | 5 | ..... | 4 | 8 | 2 | 5 | 6 | 2 | 44 |
| Monday | 5 | 5 | 2 | 6 | 8 | 4 | 6 | 4 | 2 | 3 | 3 | 5 | 58 |
| Tuesday..... | 3 | 7 | 7 | 4 | 7 | 2 | 8 | 3 | 4 | 7 | 4 | 8 | 64 |
| Wednesday | 4 | 5 | 1 | 4 | 4 | 2 | 5 | 3 | ..... | 1 | 4 | 3 | 36 |
| Thursday..... | 11 | 5 | 2 | 8 | 9 | 3 | 4 | ..... | 3 | 4 | 1 | ..... | 50 |
| Friday | 4 | 1 | 2 | 1 | 11 | 2 | 12 | 5 | 2 | 3 | 1 | 4 | 48 |
| Saturday..... | 3 | 6 | 2 | 3 | 9 | 2 | 1 | 9 | 3 | 3 | 4 | 6 | 51 |
| Total .. | 36 | 30 | 19 | 28 | 53 | 15 | 40 | 32 | 16 | 28 | 23 | 28 | 246 |

CONCLUSION.

GENTLEMEN :—In concluding our Sixth Annual Report, ending December 31st, 1879, we would most respectfully call your attention to the Fire Department Fund, which has a balance to its credit January 1st, 1880, of \$13,942 93.

This amount, a little more than satisfies December's pay roll, which is paid after the first Council meeting in January.

The amount disbursed during the year was \$151,792 99, being \$8,000 less than in 1878, and nearly \$2,000 more than in 1876.

The amount of tax collected and placed to the credit of the fund during the year was \$129,958 48.

The estimated expenses calculated to run the Department during the year of 1880 was fixed by the Board at \$163,000. This amount, being considered too large by your Committee on Finance, was reduced \$30,000, which leaves a Fire Department Fund for 1880 of about \$147,000. Reasoning from the past expenditures, one would naturally conclude that the Fund would become exhausted before the close of the year, and the seeming demands of the citizens in the Twelfth ward for a new house and a company established with all the necessary equipments, would be frustrated, as it would require an addition to the Fund of about \$15,000.

We hope and expect that the Council will consider this fund at the time the next levy is made, and compare it with the funds of other departments, and be as generous as the times will admit. The Board has no disposition to squander any of the fund injudiciously. The members of the Board feel a pride in keeping up the reputation of the Cleveland Fire Department.

The citizens of Cleveland have just cause for congratulation at the success of this department in preventing serious conflagrations.

The success of any fire department depends principally upon its promptness. A few seconds sometimes decide the result of a fire, and it is not strange when the firemen are promptly on hand, arriving in time on the desired spot, to prevent great losses that might otherwise occur, to hear the press and our citizens generally congratulate them for their efficiency. But, when an accident occurs in responding to an alarm, then look out for censure. "Something must be done to prevent such reckless driving." "If those who have charge of the Fire Department do not put a stop to such heedlessness and carelessness, it is time that others be put in their places." Any amount of foolish talk is indulged in. People become wise, and plans are devised, whereby fires are extinguished in a purely scientific manner. Let a company be a little tardy in responding to an alarm, no matter what the cause is, whether from slow driving or from not receiving the alarm in time, then they catch it. Curses loud and deep come from sources where they are not expected. Still our noble firemen, especially in Cleveland, continue to do their duty without a murmur, and with the same earnestness as though no abuse had been heaped upon them. It is a well known fact that the city of Cleveland has escaped serious conflagrations, such as Chicago, Boston, Philadelphia, New York and other cities, just because of the promptness of our firemen. All of the appurtenances belonging to the

Department are made and adopted with a view to quick work. Horses are selected on account of speed, harnesses made specially to save time, alarm boxes placed all over the city, men and horses drilled twice every day, and experiments are continually being made to gain even one second of time, for a delay of a second sometimes is dangerous, and with all the improved methods for promptness, the Chief and his Assistants continually caution their men to drive cautiously, and endeavor to avoid accidents.

Hardly an accident occurs in any business department (and accidents sometimes happen outside of the Fire Department), but there are those who can tell just how it might have been avoided. Engine No. 6 would not have tumbled into the river if the bridge had been all right.

The collision between truck No. 2 and the street car would not have happened if the street car driver had only stopped his horses in time, etc., etc.

Samuel Fitch could have saved his own life, had he not attempted to save the lives of those two ladies, who backed their horse and buggy out of an alley into the street, just in front of the truck, near the west end of the Viaduct.

Probably there is no city of the size of Cleveland, Ohio, in the world which has recorded less accidents than is recorded in this city, and 310 alarms with only \$215,357 loss, shows that the department is managed with efficiency.

In comparing the great extent of territory in this city and the vast number of frame structures, with other places of like population, it is certainly remarkable that we have not met with greater losses.

Rhodes & Co. have the contract to supply the Department with coal for the year at the following prices :

| | | | | |
|-------------------------|---|----|---|--------|
| Lackawanna Chestnut at | - | .. | - | \$3 80 |
| Churchill Brier Hill at | - | - | - | 3 30 |
| Massillon Lump at | - | - | - | 2 70 |

No contract was entered into for oats, because a better quality could be obtained from the farmers, as they would bring them to market, and at as good prices. Also it was ascertained that by filling the bins for the year "weevil," or worms got into them, rendering them unfit for use, consequently oats have been purchased in small quantities.

Hay and straw are purchased in small quantities, as they are needed, instead of contracting.

Purchasing by the load makes more work for the Secretary, but secures to the city a much better article.

In the business portion of the city a chemical engine might prove very beneficial in saving property. Other cities find them very useful. Many times a fire could be extinguished by using a chemical engine, when, should a steamer be employed, goods might be damaged with water; but with the Fire Department Fund a little less than the ordinary yearly disbursements, there is no use of asking for the privilege of purchasing these modern improvements.

During the year the Police Department has rendered valuable service in giving alarms, assisting at fires, etc., for all of which the members of the Fire Department are truly thankful.

The Department has paid no rents during the year, except the rent of a pasture for horses, to Joseph Duffner, amounting to \$31 75.

No fines nor licenses have been paid.

In accordance with a recommendation from the City Solicitor the Board decided to pay Albert Hartzell one-half his claim, which was in litigation. Mr. Hartzell sued the city for \$193 40, which was deducted from his final estimate for his part of the

contract in constructing Engine Houses Nos. 12 and 13, and he and the Board of 1877 disagreed as to finishing the stalls. One-half the claim and costs amounted to \$109 70.

By order of the Board.

A. J. SPENCER,

Secretary.

NINTH ANNUAL REPORT.

OF THE

DIRECTORS AND SUPERINTENDENT

OF THE

WORKHOUSE

AND

HOUSE OF REFUGE & CORRECTION,

TO

THE CITY COUNCIL OF CLEVELAND.

FOR THE YEAR 1879.

Officers:

Board of Directors.

HARVEY RICE, PRESIDENT.

J. H. WADE,

S. C. BROOKS,

GEO. H. BURT,

WM. EDWARDS.

Superintendent,

W. D. PATTERSON.

Deputy Superintendent of the Workhouse Department,

JOHN A. McINTOSH.

Deputy Superintendent of the Refuge Department,

ALEXANDER McBANE.

Principal Matron.

MRS. MARGARET A. PATTERSON.

Teachers of Refuge Schools.

ALEXANDER McBANE,

W. G. ABBOTT.

CLEVELAND, O., JAN., 24, 1880.

*To the Honorable, the President and Members of the City Council
of the City of Cleveland, Ohio:*

GENTLEMEN:—As required by law, I have the honor herewith to present to your honorable body this, the Ninth Annual Report of the Board of Directors and Superintendent of the Workhouse, House of Refuge and Correction, and also the Report of the attending Physician, for the year ending December 31st, 1879, with the request that the same be ordered printed in pamphlet form.

Directors' Report.

REPORT

OF THE

WORKHOUSE DIRECTORS.

To the Honorable City Council of the City of Cleveland.

GENTLEMEN:—In presenting to your honorable body our Report for the year 1879 of the affairs and condition of the Workhouse and House of Refuge and Correction, we would respectfully state that the general results have been not only encouraging, but give renewed assurance of their permanent success, both in a reformatory and pecuniary point of view. In fact their pecuniary prosperity has already become, in our judgment, so well assured as to require at your hands no further imposition of taxes upon our citizens for their support, unless some unexpected loss or accident should occur, requiring extraordinary expenditures.

This is our Ninth Annual Report, that number of years having now elapsed since the organization of these institutions. Though embraced within the walls of the same general edifice, it should be remembered that each is limited to a distinct and separate department, so that the inmates of the one have no communication or intercourse with the inmates of the other. The Workhouse department is a punitive institution, in which adult offenders are received. The Refuge department is a school, in which juvenile offenders, less than sixteen years of age, are received. Their object and method of discipline are different. The leading aim of both is to effect, if possible, the

moral reformation of their respective inmates, while at the same time an effort is made so to conduct the industries of the two departments as to make them self-supporting.

Though this may be regarded as a difficult problem to solve, the results of the last two years sufficiently demonstrate that the problem is capable of a satisfactory solution. The results of the past year show that these conjoint institutions have paid, from their earnings and incomes, into the city treasury the sum of \$100,751.19, and have drawn out, to meet current expenses, \$97,330.73, which includes not only ordinary expenses but the cost of erecting a three-story building for a Girls' Refuge, with other permanent improvements. The assets of these institutions, at cash valuation, aggregate \$108,582.81, and their liabilities \$83,253.85, leaving, as derived from all sources, a credit balance of \$25,328.96 January 1st, 1880. For more complete and specific details as to the financial condition of these institutions, we beg leave to refer your honorable body to the able Report of the Superintendent, which is hereto appended.

WORKHOUSE DEPARTMENT.

This department commenced the year 1879 with 271 inmates; received during the year, 882; discharged, 879; remained at the close of the year, 274. The whole number imprisoned within the year is 1153. Of this number over one-third were women. The number imprisoned in 1879 is 156 less than in 1878. The largest number imprisoned in any one year is 1375; this occurred in 1874. The entire number imprisoned since the organization of the Workhouse is 11,136. This seems a formidable number as compared with our population. For the last three years, however, though the population of our city has been increasing, the number of convicts sent to the Workhouse has diminished. This affords encouragement, and indicates that the reformatory influence of the institution is grow-

ing more effective in its character. This is sufficiently illustrated by the fact that only twenty per cent. of the inmates are returned a second time, while in other institutions of a similar character the usual number returned is seventy-five per cent. In a few instances, however, the same inmates have been returned to the Cleveland Workhouse a dozen times or more. They belong to a class of fallen humanity, who have lost their self-respect and made shipwreck of their manhood. Yet a few, even of this class, have by the proper influences been reached and elevated from the depths of their moral degradation to a life of usefulness and respectability.

Though punishment may deter the commission of crime, it does not necessarily reform the criminal. If we would protect society against crime we must first remove the causes which generate it. This can only be done, as it seems to us, by a compulsory education of the masses, and by the restraints of a judicious legislation. By this we mean such appropriate legislation as public sentiment will enforce. It is in this way only that the vicious influences of the thirteen hundred saloons in this city can be counteracted and overcome. As it now is, these saloons may properly be characterized as the primary schools in which both age and youth are trained and prepared for transfer to the Workhouse. It is the primary education received in these schools which is sending its thousands to prison every year. At least three-fourths of the eleven thousand sentenced to the Workhouse since its organization were sent up for intoxication, or for crimes committed under the influence of intoxicating beverages. This is a sorrowful commentary on the frailties of human nature, as well as on the inefficiency of our State legislation, to say nothing of the consequent number of broken hearts, impoverished families, and desolate homes. The time has come, as we think, when some decided step should be taken by our city authorities to suppress this illegal traffic in liquid poisons throughout the boundaries of our municipality. It may well be said that in this

respect Cleveland furnishes an open missionary field which calls loudly for the earnest efforts not only of our temperance advocates, but of every true philanthropist in the land.

The pecuniary success of the Workhouse as a manufacturing establishment on its own account, should be mainly attributed to the judicious management of the superintendency. The only industry which has been pursued for some years past in the institution is the manufacture of brushes. This proves to be an industry happily adapted to unskilled labor, as compared with some other branches of industry which were at first introduced into the institution. It is not only much more remunerative, but is decidedly to be preferred to the contract system, which infringes on the right of free labor, and places the convicts in control of unscrupulous contractors, who care little or nothing for their moral welfare. We find that the rule of allowing to inmates the amount they earn from day to day, in payment of fines and costs, over and above the minimum allowance, not only gives satisfaction, but secures faithful service and a willing submission to prison government.

REFUGE DEPARTMENT.

This department is a school in which juvenile offenders, less than sixteen years of age, are received, educated and trained with reference to fitting them to become honest, intelligent, and industrious citizens. The whole number received in 1879 was 172. The number remaining at the close of the year, 104. Of the entire number received only nine were girls. The reason so few girls were received the past year as compared with former years may be attributed to the fact that the Directors discouraged their reception for the want of a suitable apartment in which to place them. This objection has now been removed by the erection of an additional edifice admirably adapted in its construction to their exclusive accommodation,

and in which an excellent teacher has been employed to take charge of them. This Refuge department for wayward girls was erected the past summer by authority of your honorable body, at a cost of \$4,393.77, including equipments, being \$606.23 less than the appropriation. This provision for girls had become a public necessity, and we therefore regard the expenditure as wise and judicious, and sufficient to meet the needs of the Refuge, in respect to room, for the next ten or fifteen years. In the event that a House of Refuge and Correction should at any time hereafter be established in a locality removed from the vicinity of the Workhouse proper, this new addition to the Refuge will unquestionably be wanted for the accommodation of the increasing number of adult women who are sent to the Workhouse.

The entire number of juvenile offenders who have been received into the Refuge department since its organization is 913. Of this number 87 were girls. Here they have been schooled in the branches of a common English education, as well as instructed in the industrial art of manufacturing brushes. While here they are treated with parental consideration by their teachers, whom they love and respect. They are well fed and clothed and allowed ample time daily for outdoor recreations. They have the privileges of the library, and on holidays receive presents, accompanied with a festival.

On the Sabbath they attend Sunday school in the morning, and religious services at the chapel in the afternoon. They soon become attached to each other, and really constitute a happy household. They are classified into nine grades, according to progress in their studies and good behavior, and wear a badge designating the grade to which they have attained. When they have passed through the several grades, they reach the "roll of honor," and are entitled to a discharge, for the reason that they have acquired a good common education, and are believed to possess sound moral principles and the ability

to take care of themselves. Yet more or less of them are discharged, for special reasons, before they complete their educational course. Though the law places them all under the guardianship of the Directors till of age, if necessary for their proper education and reclamation, yet but few are retained longer than from one to three years, when they reach the "roll of honor," and are discharged. Of those who complete their course of education, we think we may truly say that at least ninety per cent. go out into the world thoroughly reclaimed, and become honest, industrious, and useful citizens. There are hundreds of unfortunate youths in the city, we regret to say, who, from the neglect of their parents, are growing up in ignorance, and who will never receive the education and moral training they need, unless they are sought out and subjected by law to a compulsory education like that furnished through the instrumentality of the Refuge. It seems to us to be the imperative duty of our city officials to see that the laws pertaining to this subject are more generally and exactly enforced.

In this connection, however, we cannot desist from expressing our regret that the Legislature has recently so amended the municipal code relating to Houses of Refuge, as to authorize a court or judge to issue a writ of habeas corpus in any case, on application, and if on hearing, such court or judge "decide that neither the interests of the minor, nor of the public, will be endangered," then such minor shall be discharged. This in effect grants the minor a new trial, based entirely on the ex-parte testimony offered by his parents or other relatives while it is not made the duty of any official of the city to attend the trial, or contest the case on hearing, by the production of counteracting testimony, so that the true merits of the application can be ascertained and properly adjudicated. This method of trying such cases a second time in a summary way on habeas corpus is an anomaly in law, and, in our judgment,

tends to defeat not only the success, but the philanthropic design of our Houses of Refuge and Correction throughout the State.

GENERAL REMARKS.

It is difficult to estimate the moral value of our reformatory institutions. The public safety, as well as the social welfare of our citizens, depends on the success with which they are managed. It has been the object of the directory and superintendency to make them as efficient as possible, especially as reformatories. As Directors, we have omitted no appliances within our reach, which we thought adapted to promote their true design. The inmates have uniformly been treated with kindness, while at the same time they have been required to comply with the prison rules and regulations. In this way the government of these institutions has been made comparatively easy of administration. The privileges of the library, the religious services at the chapel, and the feasts on holidays are all appreciated by the inmates, and for which they often express their gratitude. The religious services at the chapel, on Sundays, have generally been conducted by volunteer clergymen from the city, and always in an able and interesting manner, for which we desire to tender them our grateful acknowledgments. In addition to this, we wish to express our thanks to the good Christian ladies of our city, who have at proper hours visited the unfortunate of their sex in the women's department, and held prayer meetings with them, and conversations on religious topics, which have, in many instances, been attended with the happiest results.

In conclusion, we would remark that the officers of both the Workhouse and Refuge are entitled to commendation for the faithful discharge of their official duties, and especially the Superintendent, Principal Matron, and teachers in the Refuge ;

nor can we refrain from expressing our appreciation of the generous manner in which your honorable body has sustained our earnest efforts to promote the true interests and object of the reformatories confided to our management.

| | |
|---------------|---------------------|
| HARVEY RICE, | } <i>Directors.</i> |
| J. H. WADE, | |
| WM. EDWARDS, | |
| S. C. BROOKS, | |
| GEO. W. BURT, | |

Superintendent's Report.

SUPERINTENDENT'S REPORT.

To the Honorable Board of Directors of the Workhouse, and House of Refuge and Correction, Cleveland, O.

GENTLEMEN: It becomes my duty, as well as pleasure, at the close of another fiscal year, to present to your honorable body my Annual Report, giving in detail the receipts and expenditures of these institutions for the year closing December 31st, 1879, and also statistical tables showing the population for the year.

POPULATION.

January 1st, 1879, we had a population in the Workhouse department of two hundred and twenty-five (225) males and forty-six (46) females, a total of two hundred and seventy-one (271) persons. The whole number committed during the year was eight hundred and eighty-two (882), of whom six hundred and eighty-five (685) were males and one hundred and ninety-seven (197) were females, thus showing the entire number cared for during the year to have been nine hundred and ten (910) males and two hundred and forty-three (243) females, or a total of eleven hundred and fifty-three (1153) persons.

During the year eight hundred and seventy-nine (879) persons were discharged, of whom six hundred and eighty-four (684) were males and one hundred and ninety-five (195) were females, leaving a total remaining in prison December 31st, 1879, of two hundred and seventy-four (274) persons, two hundred and twenty-six (226) being males and forty-eight (48) females, showing a gain of three (3) persons during the year.

The average number supported in the Workhouse for the year was two hundred and seventeen and three-quarters, one hundred and seventy-five and one-half being males, and forty-two and one-quarter females. In the House of Refuge the average was eighty-two and one-half.

In exhibit "A" I present the financial statements, giving in detail the receipts and the disbursements, in which is shown the balance on hand at the beginning of the year, both in the hands of the Superintendent and in the city treasury, amounting to the sum of eight thousand nine hundred and seven dollars and eighty cents (\$8,907.80), together with the gross receipts from all sources amounting to the sum of one hundred thousand seven hundred and fifty-one dollars and nineteen cents (\$100,751.19), and also the net receipts from the tax levied, amounting to thirteen thousand dollars and seventy cents (\$13,000.70). The above balance and total receipts aggregating a sum total of one hundred and twenty-two thousand six hundred and fifty-nine dollars and sixty-nine cents (\$122,659.69), this amount representing our net "cash capital" for the year.

The disbursements during the same time, (being the bills for thirteen months), as per warrants drawn by the City Auditor upon the City Treasurer, the same having been authorized by the Honorable City Council, by ordinances as passed from time to time, amount in the aggregate to the sum of ninety-seven thousand three hundred and thirty dollars and seventy-three cents (\$97,330.73), showing a balance on hand at the close of the year in the city treasury of twenty-two thousand nine hundred and six dollars and seventeen cents (\$22,906.17), and in the hands of the Superintendent the sum of twenty-four hundred and twenty-two dollars and seventy-nine cents (\$2,422.79), or a total balance of twenty-five thousand three hundred and twenty-eight dollars and ninety-six cents (\$25,328.96). In order to a correct understanding as to receipts and disbursements, you will please notice that *our* receipts are for the twelve

months in the year, while the disbursements are for *two* months of 1878 and *eleven* months of the current year 1879, making thirteen months' bills as paid, and December bills of 1879 in the hands of the City Auditor to be paid in January, 1880. These bills unpaid remain over from the fact that the ordinance for payment of claims does not pass in the same month in which the bills are sent to the City Auditor from the departments.

Exhibit "B" is a detailed showing or "Inventory" of property on hand and how invested.

Exhibit "C" shows the entire gross expenditures for the year, and the gains from all sources, including the boarding of inmates, and from individuals, also receipts from fines paid. In this account we show the entire net expenses to the city for these two institutions for the year, including bad and doubtful accounts and permanent and general improvements, to have been six thousand two hundred and ninety-four dollars and fourteen cents (\$6,294.14), or less than the preceding year, in the sum of six thousand six hundred and eight dollars and sixty-seven cents (\$6,608.67). And as in the appended note to this account is shown the entire net expenses, \$6,294.14, we deduct the bad and doubtful accounts amounting to the sum of \$2,057.71, and special and general improvements, \$6,313.01, all of which are no part of the current expenses, we find that both departments have more than sustained themselves in the sum of two thousand and seventy-six dollars and ninety-eight cents (2,076.98), and when compared with the year 1878 a difference is shown in favor of the current year in the sum total of five thousand nine hundred and sixty-nine dollars and ninety-four cents (\$5,969.94.)

The funds from the tax levied for the "House of Correction Fund," and paid into the city treasury, together with the amount deposited by the Superintendent, are as follows :

1879.

| | |
|---|-------------|
| January 1, balance in treasury..... | \$ 5,794 29 |
| Net from taxes | 13,000 70 |
| December 31, deposited by Superintendent to date..... | 101,261 91 |

| | |
|---------------------------------------|--------------|
| Total fund in treasury..... | \$120,236 90 |
| Less warrants drawn for the year..... | 97,330 73 |

| | |
|---------------------------------------|--------------|
| December 31, balance in treasury..... | \$ 22,906 17 |
|---------------------------------------|--------------|

Thus it will be seen the cash deposits by the Superintendent exceed those of the former year in the sum of eight thousand seven hundred and fifty-two dollars and forty-four cents (\$8,752.44). It may not be uninteresting to show as below the cash deposits by the Superintendent since the opening of the House, thus:

CASH DEPOSITS.

| | |
|-----------|-------------|
| 1871..... | \$ 1,230 98 |
| 1872..... | 6,903 83 |
| 1873..... | 37,690 64 |
| 1874..... | 51,000 81 |
| 1875..... | 56,342 74 |
| 1876..... | 40,192 77 |
| 1877..... | 82,697 49 |
| 1878..... | 92,509 47 |
| 1879..... | 101,261 91 |

MALE DEPARTMENT.

The manufacture of brushes continues as at last report to be the only branch of industry carried on in any of the departments from which any considerable revenue is derived. We have been fortunate in having on hand throughout the year orders on which to work and to which our best energies have been put forth. With results as already presented, which, trust, may prove satisfactory to you and the city as they are gratifying to me.

The principal loss sustained during the year was in an account against the Cleveland Collar Company, it being about two-thirds of the whole amount.

Heretofore we have received from the County Commissioners of Cuyahoga County the price charged for the boarding of prisoners sent up for violation of State laws. In the year 1878 the receipts from this source amounted to the sum of five thousand nine hundred and seventy-seven dollars and sixty cents (5,977.60). Objection being made by the County Auditor and County Commissioners that they were not legally bound to pay said bills, as they had done in the past, a conference was had with them on the part of our Board and their attorney. It was amicably agreed that we have no valid claim against them for the boarding of prisoners sent up under State laws. But it was further decided that they were legally bound for the payment of board of juveniles committed to the House of Refuge for violation of State laws. From this source we are deficient in receipts as compared with 1878 in the sum of about six thousand dollars (\$6,000). The current year's receipts from boarding of United States prisoners exceed that of the year 1878 in the sum of three hundred and seventy-four dollars and sixty-seven cents.

IMPROVEMENTS.

In my last two annual reports attention was called to the apparent necessity for a "Refuge Home for Girls."

Early in the year arrangements were made for the erection of such a building as could for the time being be used for such a purpose and that could be, in the event that arrangements should in the future be made for this class of persons elsewhere, used to good advantage in connection with the female prison. This building was estimated to cost not to exceed five thousand dollars in its erection. The entire expenditure for this purpose, including a part of the heating arrange-

ments, amounts to the sum of four thousand three hundred and ninety-seven dollars and seventy-seven cents (\$4,397.77), and all bills paid, excepting a part of the heating and cooking apparatus, and which were not yet finished at the close of the year so that the bills could be audited, but when bills are all audited and paid we have for the erection of the building, steam heating and cooking arrangements, an amount not to exceed the original estimate for the erection of the building, viz: five thousand dollars.

In building and in all our improvements it is our object, as far as possible, to utilize prison labor, this has been the case in the building above mentioned, our own labor did all the carpenter work, painting and glazing, mortar making and attending masons and plasterers, thereby saving in this and other permanent work to this prison a sum not less than two thousand dollars, from which no revenue is received though it does save the city this large amount of expenditure for labor.

As it now is we have a neat, warm, well ventilated, well furnished home for wayward girls, complete in all its departments and entirely separate and distinct from any connection with the Workhouse. The same is now in successful working order. A suitable matron has supervision and already three young girls are under our care of whom we have hope for their future.

We are ambitious that this new department shall be a success and that its influence may be felt and shown in the lives and characters of those who are now and those who may be its future occupants and beneficiaries.

In this new building ample facilities have been provided, so that now all the cooking is done here for the Refuge and for all female officers and also for the female prisoners confined in the Workhouse, thus affording two complete cooking departments separate and distinct, one for males and one for females.

BOYS' HOUSE OF REFUGE.

The year commenced in this department with seventy-three (73) boys and three (3) girls, a total of seventy-six (76).

Committed during the year ninety (90) boys, and six (6) girls, in all ninety-six (96).

Discharged in same time sixty (60) boys and six (6) girls, a total of sixty-six (66) persons, leaving under our care at the close of the year one hundred and three (103) boys and three (3) girls, or a total of one hundred and six (106) persons.

The following table will show at once the population of this department at the close of each and every year since its organization:

| | |
|--|-----|
| December 31, 1871, Number Remaining..... | 25 |
| “ 31, 1872, “ “ | 59 |
| “ 31, 1873, “ “ | 83 |
| “ 31, 1874, “ “ | 120 |
| “ 31, 1875, “ “ | 161 |
| “ 31, 1876, “ “ | 158 |
| “ 31, 1877, “ “ | 89 |
| “ 31, 1878, “ “ | 76 |
| “ 31, 1879, “ “ | 106 |

During the year the school has been under the immediate care of Mr. Alex. McBane, assisted by Mr. W. G. Abbott, and we are proud to bear testimony to the usual good order and discipline that has prevailed and the proficiency on the part of the boys in their studies. These boys are mostly happy and well contented, manifesting no restlessness under their restraint, but rather accept this as their home for the time, knowing that by “patient continuance in well doing” the time will soon come under a wise and humane system of government when they shall merit a full discharge.

HEALTH.

An allwise Providence has cared for us throughout the year. A good degree of health has been enjoyed with a few exceptions. No pestilence, or fearful malady or fire has disturbed

the usual quiet of our house, though death has taken away four of our number, three men and one boy. (See report of the physician.)

The sick, or those in any way afflicted, have had careful attention from skillful physicians, Dr. H. F. Biggar being in charge as in the past.

RELIGIOUS SERVICES

Have been conducted regularly as heretofore, all denominations being equal. We are strong in the belief that no reformation of a permanent and lasting nature can be effected that does not have in it the power and influence of the Christian religion.

We are placed under renewed obligations to the various ministers of this city as well as strangers from all denominations for Sabbath services, and under like obligations to laymen and Christian ladies for their voluntary services in the cause of humanity.

CONCLUSION.

In closing I must again make due acknowledgement to the board of management for uniform kindness and for timely and valuable aid and assistance in the discharge of arduous and complex duties. I shall hope that in the future we may enjoy your undivided confidence and approbation as we have done in the past.

W. D. PATTERSON,
Superintendent.

SUPERINTENDENT'S STATEMENTS.

EXHIBIT "A."

Statement of Receipts and Disbursements.

1879.

| | | | | |
|------|----|--|-------------|-------------|
| Jan. | 1 | Cash on hand with City Treasurer..... | \$ 5,974 29 | |
| | | " " " Superintendent | 2,983 51 | \$ 8,907 80 |
| Dec. | 31 | Cash receipts for the year from Workhouse..... | 96,956 92 | |
| | | " " " Refuge..... | 3,794 27 | 100,751 19 |
| | | Cash receipts for the year from Taxes.. | | 13,000 70 |
| | | | | 122,659 69 |
| | | DISBURSEMENTS. | | |
| | | Cash paid by Warrants on City Treasurer.... | | 97,330 73 |
| | | Balance on hand..... | | 25,328 96 |
| | | Viz: With City Treasurer..... | 22,906 17 | |
| | | " Superintendent..... | 2,422 79 | 25,328 96 |

Detailed Statement of Receipts.

1879.

| | | | | |
|------|----|--|----------|--------------|
| | | FROM WORKHOUSE. | | |
| Dec. | 31 | Received on Brush Account, to date.... | \$ | \$ 92,307 23 |
| | | " " Paper Box " | | 639 23 |
| | | " " Shoe " | | 92 30 |
| | | " for sale of Rags | | 35 71 |
| | | " " Paper Waste | | 45 27 |
| | | " " Scrap Iron | | 10 63 |
| | | " " Soap Grease | | 161 39 |
| | | " " Barrels | | 32 45 |
| | | " " Live Stock, etc., | | 341 50 |
| | | " " Sundries | | 7 40 |
| | | " for Labor | | 15 92 |
| | | " " Boarding Prisoners | 1,271 95 | |
| | | " " " Individuals | 200 00 | 1,471 95 |
| | | " " Fines, City Cases | 1,163 98 | |
| | | " " " State Cases | 631 96 | 1,795 94 |
| | | FROM HOUSE OF REFUGE. | | |
| | | Received for Boarding inmates..... | 3,701 35 | |
| | | " " Chair Frames.... | 92 92 | 3,794 27 |
| | | Receipts as above stated..... | | 100,751 19 |

EXHIBIT

Statement Showing Expenses and Profits of Cleveland

1879.

| EXPENSES. | | | |
|-----------|--|----------------|-------------------|
| Dec. 31 | Cost of Furniture and Fixtures, | Workhouse | \$ 249 48 |
| | " " " " | Refuge | 483 54 \$ 733 02 |
| | " Clothing and Bedding, | Workhouse | 886 60 |
| | " " " " | Refuge | 279 11 1,165 71 |
| | " Sundry Supplies, | Workhouse | 2,077 50 |
| | " " " " | Refuge. . . . | 67 50 2,145 00 |
| | " Shoes, | Workhouse | 403 32 |
| | " " " " | Refuge | 242 83 646 15 |
| | " Medical S'vices and Supplies, | Workhouse | 496 77 |
| | " " " " | Refuge | 182 95 679 72 |
| | " Special Improvements, | Workhouse | 31 70 |
| | " " " " | Refuge | 4,393 77 4,425 47 |
| | " Salaries of Employes, | Workhouse | 10,731 70 |
| | " " " " | Refuge | 927 23 11,658 93 |
| | " General Improvements, | Workhouse | 1,887 54 |
| | " Provisions, | " | 13,798 93 |
| | " Fuel and Light, | " | 3,340 71 |
| | " Brush Shop Implements, | " | 1,534 03 |
| | " Blacksmith " " | " | 2 00 |
| | " General " " | " | 253 74 |
| | " Engine Repairs and Supplies, | " | 147 08 |
| | " Repairs to Heating Apparatus, | " | 34 05 |
| | " " " Boilers, | " | 63 31 |
| | " Laundry, | " | 524 90 |
| | " Live Stock, Hay and Feed, | " | 272 22 |
| | Boarding House of Refuge Inmates and Employes | | 6,878 68 |
| | Loss by Bad and Doubtful Book Accounts | | 2,057 71 |
| | | | \$ 52,248 90 |

NOTE.—The accounts from which this and the preceding account is compiled are given in detail, with proper "reference letters," on the following pages.

| | |
|--|-------------------|
| N. B.—Net Expenses of maintaining Workhouse and House of Refuge, | \$6,294 14 |
| Less Special Improvements, House of Refuge | \$4,393 77 |
| " " " " Workhouse | 31 70 |
| " General " " " " | 1,887 54 |
| " Loss on Book Accounts | 2,057 71 8,370 72 |
| Gain over actual current expenses | \$2,076 58 |

545

"C."

1879.

| | | GAINS. |
|---------|---|--------------|
| Dec. 31 | Gains in various departments, Brush, Shoe, Carpenter Shop, Interest Account and Sundries... | \$ 25,521 91 |
| | Gain in labor of Boys' House of Refuge..... | 6,487 50 |
| | Gain in Boarding..... | 12,139 35 |
| | Gain in Fines, City and State Cases..... | 1,795 94 |
| | Net expense of maintaining Workhouse and House of Refuge..... | 6,294 14 |
| <hr/> | | <hr/> |
| | | \$ 52,248 90 |

EXHIBIT

Statement Showing Monthly Bills Approved and sent to

1879.

| | | |
|----------|--|--------------|
| Jan. 31 | Bills to Date Sent to City Auditor..... | \$ 10,148 57 |
| Feb. 28 | " " " " " " | 8,092 39 |
| Mar. 31 | " " " " " " | 8,278 17 |
| April 30 | " " " " " " | 6,581 16 |
| May. 31 | " " " " " " | 4,750 59 |
| June 30 | " " " " " " | 5,400 08 |
| July 31 | " " " " " " | 5,236 01 |
| Aug. 31 | " " " " " " | 6,519 90 |
| Sept. 30 | " " " " " " | 9,861 04 |
| Oct. 31 | " " " " " " | 8,413 83 |
| Nov. 30 | " " " " " " | 9,453 41 |
| Dec. 31 | " " " " " " | 9,471 51 |
| | Add for November and December, 1878, Bills paid in 1879 | 13,995 58 |
| | | <hr/> |
| | | \$106,802 24 |

"D."

City Auditor for Payment.

1879.

| | | | |
|------|---|--------------|--------------|
| Dec. | 31 Warrants Drawn at Date | \$ 97,330 73 | |
| | Amount of Bills Unpaid at this Date | 9,471 51 | |
| | | | \$106,802 24 |

EXHIBIT

Statement of Workhouse and House of Refuge and

1879.

| | | |
|---------|---|--------------------|
| Jan. 1 | Balance in hands of Treasurer (Exhibit "A"). | \$ 5,974 29 |
| Dec. 31 | Taxes collected to date, | 13,000 70 |
| Dec. 31 | Cash deposited by Superintendent to date (Exhibit "I"). | 101,261 91 |
| | | <hr/> \$120,236 90 |

EXHIBIT

Superintendent's

1879.

| | | |
|---------|---------------------------------|--------------------|
| Jan. 1 | Balance on hand at this date | \$ 2,933 51 |
| Dec. 31 | Receipts to date (Exhibit "A"). | 100,751 19 |
| | | <hr/> \$103,684 70 |

“E.”

Correction Funds in City Treasury.

| | | |
|---------|--|--------------------|
| 1879. | | |
| Dec. 31 | Warrants paid by Treasurer to date..... | \$ 97,380 73 |
| “ “ | Balance in hands of “ at date (Exhibit “A”). | 22,906 17 |
| | | <hr/> \$120,286 90 |

“F.”

Cash Account.

| | | |
|----------|--|--------------------|
| 1879. | | |
| Jan. 31 | Deposited in City Treasury to Date | \$ 11,651 25 |
| Feb. 28 | “ “ “ “ | 5,575 00 |
| Mar. 31 | “ “ “ “ | 10,898 00 |
| April 30 | “ “ “ “ | 7,928 00 |
| May 31 | “ “ “ “ | 6,281 00 |
| June 30 | “ “ “ “ | 7,066 00 |
| July 31 | “ “ “ “ | 8,355 00 |
| Aug. 31 | “ “ “ “ | 5,600 00 |
| Sept. 30 | “ “ “ “ | 12,607 25 |
| Oct. 31 | “ “ “ “ | 4,400 00 |
| Nov. 30 | “ “ “ “ | 16,415 00 |
| Dec. 31 | “ “ “ “ | 4,505 41 |
| Dec. 31 | Balance in Superintendent's hands (Exhibit “B.”) | 2,422 79 |
| | | <hr/> \$108,684 70 |

COMPARATIVE STATEMENTS

*Showing Drafts on Treasury and Deposits in same since the
Opening of the Institution.*

| | | |
|---|-------------|-------------|
| 1871. | | |
| Warrants drawn on City Treasury | \$35,892 74 | |
| Deposits by Superintendent in City Treasury | 1,230 98 | |
| Excess of Warrants | | \$34,661 76 |
| 1872. | | |
| Warrants drawn on City Treasury..... | 42,940 50 | |
| Deposits by Superintendent in City Treasury... | 6,908 83 | |
| Excess of Warrants..... | | 36,031 67 |
| 1873. | | |
| Warrants drawn on City Treasury | 61,413 77 | |
| Deposits by Superintendent in City Treasury | 37,690 64 | |
| Excess of Warrants | | 23,723 13 |
| 1874. | | |
| Warrants drawn on City Treasury .. | 65,382 41 | |
| Deposits by Superintendent in City Treasury... | 51,000 81 | |
| Excess of Warrants | | 14,381 60 |
| 1875. | | |
| Warrants drawn on City Treasury | 84,662 04 | |
| Deposits by Superintendent in City Treasury... | 56,342 74 | |
| Excess of Warrants..... | | 28,319 30 |
| 1876. | | |
| Warrants drawn on City Treasury | 78,343 62 | |
| Deposits by Superintendent in City Treasury | 40,192 77 | |
| Excess of Warrants..... | | 32,150 85 |
| 1877 | | |
| Warrants drawn on City Treasury | 80,013 97 | |
| Deposits by Superintendent in City Treasury | 82,697 49 | |
| Excess of Deposits..... | | 2,683 52 |
| 1878. | | |
| Warrants drawn on City Treasury, (14 months' bills)..... | 132,812 88 | |
| Deposits by Superintendent in City Treasury..... | 92,509 47 | |
| Excess of Warrants..... | | 40,303 41 |
| 1879. | | |
| Warrants drawn on City Treasury, (13 months' bills) | 97,380 72 | |
| Deposits by Superintendent in City Treasury | 101,261 91 | |
| Excess of Deposits..... | | 3,881 18 |

Statement of Amount of Fines Imposed

IN CITY AND STATE CASES ON PRISONERS COMMITTED TO THE
WORKHOUSE FROM POLICE, PROBATE, COMMON PLEAS,
AND JUSTICE COURTS FOR THE YEAR 1879.

| MONTH. | City Cases. | State Cases | Total. |
|----------------|-------------|-------------|-------------|
| January | \$ 818 50 | \$ 750 01 | \$ 1,568 61 |
| February | 552 01 | 343 74 | 895 75 |
| March..... | 778 80 | 597 42 | 1,376 22 |
| April..... | 544 75 | 335 62 | 880 37 |
| May..... | 556 05 | 377 36 | 933 41 |
| June..... | 808 76 | 464 46 | 1,273 22 |
| July | 717 25 | 556 85 | 1,274 10 |
| August | 1,007 31 | 942 71 | 1,950 02 |
| September .. | 746 15 | 541 42 | 1,287 57 |
| October..... | 839 25 | 592 53 | 1,431 78 |
| November | 1,179 65 | 583 51 | 1,763 16 |
| December | 965 35 | 590 95 | 1,556 30 |
| Total | \$9,533 83 | \$6,676 58 | \$16,210 41 |

Statement of Amount of Fines Collected by Superintendent
IN STATE AND CITY CASES FOR THE YEAR 1879.

| MONTH. | City Cases. | State Cases | Total. |
|-----------------|-------------|-------------|------------|
| January | \$ 143 05 | \$ 28 57 | \$ 169 62 |
| February..... | 135 00 | 32 10 | 167 10 |
| March..... | 80 55 | 33 47 | 113 62 |
| April..... | 78 25 | 87 56 | 165 81 |
| May | 101 80 | 93 85 | 195 65 |
| June | 43 25 | 113 00 | 156 25 |
| July..... | 42 15 | 28 41 | 70 56 |
| August ... | 97 96 | 76 67 | 174 63 |
| September | 83 10 | 28 91 | 112 01 |
| October..... | 136 87 | 60 91 | 197 78 |
| November | 140 32 | 38 36 | 178 68 |
| December | 82 08 | 12 15 | 94 23 |
| Total..... | \$1,163 98 | \$631 96 | \$1,795 94 |

WORKHOUSE STATISTICS.

TABLE NO. 1.

| | Males | Females | Total |
|---|-------|---------|-------|
| Remaining January 1st, 1879 | 225 | 46 | 271 |
| Whole number committed during 1879 | 685 | 197 | 882 |
| Total | 910 | 243 | 1153 |
| Discharged during 1879 | 684 | 195 | 879 |
| Total remaining December 31st, 1879 | 226 | 48 | 274 |

TABLE NO. 2.
Number Received Each Month.

| | Males | Females | Total |
|---|-------|---------|-------|
| Remaining January 1st, 1879 | 225 | 46 | 271 |
| Received January, 1879 | 46 | 11 | 57 |
| “ February, “ | 34 | 13 | 47 |
| “ March, “ | 56 | 21 | 77 |
| “ April, “ | 52 | 14 | 66 |
| “ May, “ | 48 | 13 | 61 |
| “ June, “ | 63 | 12 | 75 |
| “ July, “ | 48 | 23 | 71 |
| “ August, “ | 53 | 21 | 74 |
| “ September, “ | 41 | 19 | 60 |
| “ October, “ | 69 | 16 | 85 |
| “ November, “ | 87 | 18 | 105 |
| “ December, “ | 88 | 16 | 104 |
| Total | 910 | 243 | 1153 |
| Discharged during 1879 | 684 | 195 | 879 |
| Remaining December 31st, 1879 | 226 | 48 | 274 |

TABLE No. 3.

Committed by the Following Courts:

| | |
|-----------------------------------|-----|
| Police Court | 820 |
| Common Pleas Court..... | 16 |
| United States District Court..... | 25 |
| Probate Court..... | 6 |
| Justice Courts..... | 6 |
| Total .. | 882 |

TABLE No. 4.

Offenses.

| | |
|---|----|
| Assault and battery..... | 42 |
| " " and assaulting officer | 1 |
| " " and disturbance..... | 1 |
| " " and using indecent language.... | 1 |
| " " and petty larceny..... | 1 |
| Assaulting officer..... | 3 |
| " " and intoxication..... | 1 |
| Assault and threatening | 1 |
| Attempting to provoke a breach of the peace..... | 2 |
| Attempting to pass and having in possession with intent to defraud, forged coins | 1 |
| Abusing family | 28 |
| Awaiting trial..... | 1 |
| Breaking into postoffice..... | 6 |
| " " " with intent to commit larceny..... | 2 |
| " and escaping from Workhouse..... | 1 |
| Carrying concealed weapons..... | 2 |
| " " " and disturbance..... | 1 |
| " and having in possession obscene model | 1 |
| Common prostitute..... | 4 |

TABLE No. 4.—*Continued.*

| | |
|--|-----|
| Common prostitute and intoxication | 1 |
| " beggar..... | 5 |
| Counterfeiting United States coin..... | 1 |
| Cruelty to minor | 1 |
| Destroying property..... | 2 |
| Disturbance | 14 |
| Disorderly conduct | 12 |
| " " and carrying concealed weapons..... | 1 |
| Embezzlement | 1 |
| Execution..... | 5 |
| Empiricism..... | 1 |
| Fornication | 2 |
| Forging postoffice money order | 1 |
| Habitual drunkard | 1 |
| " disturber of the peace..... | 5 |
| " " " " and assaulting officer | 1 |
| Having in possession and attempting to sell false made coins ... | 1 |
| " " with intent to defraud, forged coins..... | 1 |
| House breaking | 1 |
| " " and larceny..... | 2 |
| Indecent conduct | 8 |
| " exposure of person | 4 |
| Intoxication | 335 |
| " and carrying concealed weapons | 1 |
| " and assault and battery | 2 |
| " and abusing family | 3 |
| " and threatening in a menacing manner... .. | 1 |
| " and assaulting and resisting officer..... | 1 |
| " and indecent exposure of person | 1 |
| " and resisting officer..... | 1 |
| " and disturbance | 2 |
| " and careless driving | 1 |
| " and using obscene language..... | 1 |
| " destroying property..... | 2 |
| " and execution..... | 1 |
| " and lascivious conduct.... | 2 |

TABLE No. 4,—*Continued.*

| | |
|--|-----|
| Keeping house of ill-fame..... | 5 |
| Larceny | 2 |
| Larceny and receiving stolen property | 1 |
| Making false coins..... | 1 |
| Obtaining goods by false pretenses... .. | 3 |
| " money " " | 4 |
| " goods " " and intoxication..... | 1 |
| Opening a grave. | 1 |
| " and stealing money packet from United States mail.... | 1 |
| Obstructing officer | 2 |
| Passing and having in possession false coin with intent to defraud.... | 1 |
| Petty larceny | 105 |
| " " and carrying concealed weapons | 1 |
| " " " vagrancy | 1 |
| " " " resisting officer..... | 1 |
| Perjury..... | 3 |
| Provocation and attempting to provoke a breach of the peace.. | 1 |
| Receiving stolen property | 1 |
| Residing in house of ill-fame..... | 14 |
| Refusing to assist officer | 1 |
| Stealing packet from postoffice | 1 |
| Selling and attempting to sell, and having in possession, false coins with intent to defraud..... | 1 |
| Suspicious person.. .. | 41 |
| Uttering false coins of the United States | 2 |
| Violating Sunday liquor ordinance..... | 1 |
| " property ordinance..... | 5 |
| " peddling " | 1 |
| " junk " | 1 |
| " railroad " | 1 |
| " sidewalk " | 5 |
| Vagrancy | 135 |
| Visiting house of ill-fame | 10 |
| Wrongfully using a horse..... | 1 |
| Wilfully abusing and neglecting family | 2 |
| Total | 88 |

REPORT OF THE WORKHOUSE.

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TABLE No. 5.

Discharged During the Year.

| | Males | Females | Total |
|------------------------------------|-------|---------|-------|
| By labor..... | 374 | 100 | 474 |
| " and Cash..... | 100 | 42 | 142 |
| " " Pardon | 37 | 2 | 39 |
| " Pardon and Cash..... | 11 | 1 | 12 |
| By Pardon..... | 31 | 6 | 37 |
| " and Fine paid | 16 | 2 | 18 |
| " " Cash..... | 2 | 1 | 3 |
| " " Costs paid..... | 1 | 0 | 1 |
| By Expiration..... | 41 | 23 | 64 |
| " " and Good Time..... | 4 | 0 | 4 |
| " " " Fine paid | 32 | 10 | 42 |
| " " " Pardon..... | 1 | 2 | 3 |
| " " " Costs paid..... | 2 | 0 | 2 |
| By Death..... | 2 | 0 | 2 |
| " Escape | 8 | 0 | 8 |
| " Fine paid | 11 | 2 | 13 |
| " Writ of Habeas Corpus..... | 5 | 3 | 8 |
| " " of Error..... | 2 | 0 | 2 |
| " Death (supposed suicide)..... | 1 | 0 | 1 |
| Sent to Infirmary..... | 1 | 1 | 2 |
| " Asylum | 1 | 0 | 1 |
| Turned over to Sheriff..... | 1 | 0 | 1 |
| Total..... | 684 | 195 | 879 |

TABLE No. 6.

Monthly Average in Confinement During the Year.

| | |
|------------------------------------|-------|
| Average number Males.. .. | 175.8 |
| " " Females.... | 42.1 |
| " " in House of Refuge | 82.5 |

TABLE NO. 7.
Committed for Sundry Offenses.

| | Males | Females | Total |
|------------------------|-------|---------|-------|
| First Commitment | 412 | 60 | 472 |
| Second " | 107 | 31 | 138 |
| Third " | 60 | 25 | 94 |
| Fourth " | 33 | 18 | 51 |
| Fifth " | 29 | 8 | 37 |
| Sixth " | 12 | 13 | 25 |
| Seventh " | 5 | 8 | 13 |
| Eighth " | 4 | 9 | 13 |
| Ninth " | 4 | 4 | 8 |
| Tenth " | 1 | 3 | 4 |
| Eleventh " | 3 | 3 | 6 |
| Twelfth " | 0 | 1 | 1 |
| Thirteenth " | 0 | 2 | 2 |
| Fourteenth " | 0 | 3 | 3 |
| Fifteenth " | 3 | 1 | 4 |
| Sixteenth " | 0 | 1 | 1 |
| Seventeenth " | 0 | 1 | 1 |
| Eighteenth " | 0 | 1 | 1 |
| Nineteenth " | 1 | 2 | 3 |
| Twentieth " | 0 | 2 | 2 |
| Twenty-First " | 0 | 1 | 1 |
| Twenty-Seco'd " | 1 | 0 | 1 |
| Twenty-Third " | 1 | 0 | 1 |
| Total. | 685 | 197 | 882 |

TABLE NO. 8.

Color.

| | Males | Females | Total |
|--------------|-------|---------|-------|
| White | 647 | 188 | 835 |
| Colored..... | 38 | 9 | 47 |
| Total..... | 685 | 197 | 882 |

TABLE NO. 9.

Nativity.

| | |
|-------------------|-----|
| United States.... | 458 |
| England | 70 |
| Ireland | 180 |
| Scotland | 17 |
| Canada..... | 46 |
| Wales. | 9 |
| Germany | 90 |
| Bohemia..... | 6 |
| Finland..... | 1 |
| Switzerland..... | 6 |
| Spain.. . . . | 2 |
| France..... | 1 |
| Holland..... | 1 |
| Total..... | 882 |

TABLE No. 10.

Education.

| | Males | Females | Total |
|--------------------------------|-------|---------|-------|
| Could Read and Write..... | 589 | 117 | 706 |
| “ “ only | 28 | 27 | 55 |
| “ Neither Read nor Write | 68 | 53 | 121 |
| Total..... | 685 | 197 | 882 |

TABLE No. 11.

Religious Training.

| | Males | Females | Total |
|-----------------|-------|---------|-------|
| Protestants .. | 387 | 104 | 491 |
| Catholics | 292 | 93 | 385 |
| Jews..... | 4 | 0 | 4 |
| Atheists | 2 | 0 | 2 |
| Total..... | 685 | 197 | 882 |

TABLE No. 12.

Habits of Life.

| | Males | Females | Total |
|--------------------------------------|-------|---------|-------|
| Claim to be Temperate..... | 202 | 24 | 226 |
| Confess themselves Intemperate | 483 | 173 | 656 |
| Total..... | 685 | 197 | 882 |

TABLE No. 13.

Social Relations.

| | Males | Females | Total |
|--------------|-------|---------|-------|
| Married..... | 254 | 149 | 303 |
| Single..... | 431 | 48 | 479 |
| Total..... | 685 | 197 | 882 |

TABLE No. 14.

Age When Committed.

| | |
|-------------------------------|-----|
| Under Twenty..... | 90 |
| “ Thirty and over Twenty..... | 311 |
| “ Forty “ “ Thirty..... | 213 |
| “ Fifty “ “ Forty..... | 147 |
| “ Sixty “ “ Fifty..... | 89 |
| “ Seventy “ “ Sixty..... | 25 |
| “ Eighty “ “ Seventy..... | 7 |
| Total..... | 882 |

TABLE No. 15.

Occupations.

| | | | |
|--------------------------------|-----------|--------------------------------|------------|
| Apothecary | 1 | Furniture Dealers | 1 |
| Axemakers | 1 | Finishers .. | 1 |
| Auctioneers | 2 | Farmers | 10 |
| Brewers | 1 | Fisherman | 1 |
| Blacksmiths | 23 | Gardeners | 3 |
| Butchers | 30 | House Workers | 174 |
| Book Keepers | 3 | Hucksters ... | 1 |
| Bakers | 5 | Heaters | 1 |
| Barbers | 10 | Hostlers .. | 13 |
| Boiler Makers | 3 | Harness Makers | 2 |
| Brick Layers | 2 | Hatters | 2 |
| Bar Tenders | 3 | Iron Workers | 1 |
| Basket Makers | 2 | Laborers | 272 |
| Brakemen | 2 | Lawyers | 2 |
| Book Binders | 1 | Lumber Inspectors | 1 |
| Brick Makers .. | 1 | Laundresses ... | 2 |
| Carpenters ... | 28 | Loom Repairers | 1 |
| Coopers | 10 | Machinists | 11 |
| Cooks | 17 | Moulders | 8 |
| Cigar Makers | 3 | Musicians | 1 |
| Clerks | 7 | Marble Cutters | 3 |
| Clock Makers | 1 | Miners | 1 |
| Confectioners | 2 | Merchants | 1 |
| Carriage Trimmers | 1 | Nut Makers ... | 1 |
| Candy Makers | 1 | Paper Hangers | 2 |
| Cotton Spinners | 1 | Peddlers ... | 2 |
| Cigar box makers | 1 | Plumbers | 2 |
| Carpet Layers | 1 | Plasterers | 2 |
| Dress Makers | 3 | Puddlers | 4 |
| Druggists ... | 3 | Planers | 1 |
| Drummers | 1 | Painters | 26 |
| Engineers | 9 | Printers | 7 |
| Engravers | 1 | Quarrymen ... | 1 |
| Firemen | 12 | Roughers | 1 |

TABLE No. 15.—*Continued.**Occupations.*

| | | | |
|----------------------------|----|--------------------------------|-----|
| Rolling mill hands..... | 1 | Stone Sawyers... .. | 1 |
| Railroaders..... | 2 | Teamsters | 7 |
| Sailors | 36 | Slate Roofers... .. | 1 |
| Shoemakers | 25 | Tailors | 1 |
| Stone Cutters | 4 | Tinsmiths | 4 |
| Saloon Keeper. | 1 | Telegraph Operators..... | 3 |
| School Teachers..... | 2 | Tanners..... | 1 |
| Stove Mounters | 2 | Tailloresses..... | 2 |
| Spring Makers..... | 2 | Tobacconists | 2 |
| Seamstresses..... | 2 | Trunk Makers | 1 |
| Stone Masons..... | 5 | United States Mail Service . . | 1 |
| Ship Carpenters..... | 1 | Varnishers..... | 1 |
| Salesmen | 4 | White Lead Workers... .. | 1 |
| Stewards..... | 1 | Wire Workers... .. | 1 |
| Sewing Machine Agents..... | 1 | Whitewashers | 2 |
| Shipping Clerks | 2 | Walters | 8 |
| Total | | | 882 |

Pardons and Reasons Therefor.

| | |
|---|-----|
| Condition of family | 18 |
| Helpless little children | 1 |
| Humanity to parent | 2 |
| A cripple, unable to work | 1 |
| Insane, given to friends..... | 3 |
| Death of child | 1 |
| Petition of parent and Judge | 9 |
| Physical disability..... | 10 |
| To go from city with parents..... | 1 |
| " to live in the country..... | 1 |
| " to home in Pennsylvania..... | 1 |
| To remove West | 1 |
| To go to Buffalo with family..... | 1 |
| " to Columbus with father | 1 |
| " to Michigan to answer charge of horse stealing..... | 1 |
| " to New York.... | 1 |
| " to Infirmary..... | 4 |
| Returned to Court for further hearing | 1 |
| Sent on his way West..... | 1 |
| Error in Mittimus.. .. | 1 |
| Petition of Prosecutor and Prosecuting Attorney. . . | 1 |
| On condition of future good conduct..... | 15 |
| Paid fine and costs in whole or part..... | 34 |
| <hr/> | |
| Total... .. | 120 |

House of Refuge Statistics.

TABLE No. 1.

House of Refuge.

| | Males | Females | Total |
|--|-------|---------|-------|
| No. remaining January 1st, 1879 | 73 | 3 | 76 |
| Whole number committed during 1879..... | 90 | 6 | 96 |
| Total..... | 163 | 9 | 172 |
| Discharged during 1879..... | 60 | 6 | 66 |
| Total number remaining December 31st, 1879 | 103 | 3 | 106 |

TABLE NO. 2.

Number Received in House of Refuge Monthly.

| | Males | Females | Total |
|------------------------------------|-------|---------|-------|
| Remaining January 1st, 1879..... | 73 | 3 | 76 |
| Received during January, 1879..... | 3 | 0 | 3 |
| “ “ February, “ | 1 | 0 | 1 |
| “ “ March, “ | 12 | 0 | 12 |
| “ “ April, “ | 5 | 0 | 5 |
| “ “ May, “ | 12 | 0 | 12 |
| “ “ June, “ | 11 | 0 | 11 |
| “ “ July, “ | 7 | 1 | 8 |
| “ “ August, “ | 4 | 2 | 6 |
| “ “ September, “ | 12 | 1 | 13 |
| “ “ October, “ | 8 | 0 | 8 |
| “ “ November, “ | 5 | 0 | 5 |
| “ “ December, “ | 10 | 2 | 12 |
| Total..... | 168 | 9 | 172 |
| Discharged during 1879..... | 60 | 6 | 66 |
| Remaining December 31st, 1879..... | 108 | 3 | 106 |

TABLE NO. 3.

From Where Those Admitted during the Year were Received.

| | Males | Females | Total |
|------------------------|-------|---------|-------|
| From Police Court..... | 90 | 6 | 96 |

TABLE No. 4.

Crimes and Offenses.

| | Males | Females | Total |
|-------------------------------------|-------|---------|-------|
| Assault and battery... | 1 | 0 | 1 |
| Destroying property... | 2 | 0 | 2 |
| Disorderly conduct..... | 3 | 0 | 3 |
| Homeless | 1 | 0 | 1 |
| Intoxication | 1 | 0 | 1 |
| Incorrigible conduct..... | 29 | 1 | 30 |
| Petty larceny..... | 37 | 0 | 37 |
| Residing in house of ill-fame | 0 | 3 | 3 |
| Suspicious person... | 0 | 1 | 1 |
| Vagrancy | 9 | 1 | 10 |
| Violating Railroad Ordinance..... | 5 | 0 | 5 |
| “ Property “ | 2 | 0 | 2 |
| Total..... | 90 | 6 | 96 |

TABLE No. 5.

Discharged During the Year.

| | Male | Female | Total |
|-------------------------------|------|--------|-------|
| Escaped | 1 | 0 | 1 |
| Died | 1 | 0 | 1 |
| Pardoned | 25 | 5 | 30 |
| Reached honor..... | 31 | 0 | 31 |
| By writ of Habeas Corpus..... | 2 | 1 | 3 |
| Total..... | 60 | 6 | 66 |

TABLE NO. 6.

Monthly Average in Confinement During the Year.

| | |
|--|------|
| Whole number of inmates received during the year | 96 |
| “ “ “ “ discharged “ “ | 66 |
| “ “ “ “ remaining December 31st, 1879 | 106 |
| Average monthly number of inmates..... | 82.5 |

TABLE NO. 7.

Color.

| | Males | Females | Total |
|--------------|-------|---------|-------|
| White. | 87 | 0 | 87 |
| Colored..... | 9 | 0 | 9 |
| Total..... | 96 | 0 | 96 |

TABLE NO. 8.

Nativity.

| | Males | Females | Total |
|--------------------|-------|---------|-------|
| Bohemia | 1 | 0 | 1 |
| Canada..... | 2 | 0 | 2 |
| England | 3 | 0 | 3 |
| Germany..... | 7 | 0 | 7 |
| Ireland..... | 3 | 0 | 3 |
| United States..... | 73 | 6 | 79 |
| West Indies..... | 1 | 0 | 1 |
| Total | 90 | 6 | 96 |

TABLE NO. 9.

Education.

| | Males. | Females. | Total. |
|--------------------------------|--------|----------|--------|
| Could read and write.... | 64 | 5 | 69 |
| “ “ only . . . | 4 | 0 | 4 |
| “ neither read nor write . . . | 22 | 1 | 23 |
| Total . . . | 90 | 6 | 96 |

TABLE NO. 10.

Religious Training.

| | Males. | Females. | Total. |
|-------------------|--------|----------|--------|
| Protestants . . . | 49 | 4 | 53 |
| Catholics . . . | 40 | 2 | 42 |
| Jews . . . | 1 | 0 | 1 |
| Total . . . | 90 | 6 | 96 |

TABLE No. 11.
Social Relations.

| | Males. | Females. | Total. |
|------------------------------|--------|----------|--------|
| Having both parents | 67 | 4 | 71 |
| Having one parent only | 20 | 1 | 21 |
| Orphans | 3 | 1 | 4 |
| Total | 90 | 6 | 96 |

TABLE No. 12.
Age When Admitted.

| | Males. | Females. | Total. |
|--------------------------------|--------|----------|--------|
| Under ten..... | 4 | 0 | 4 |
| Ten and under twelve.. . . . | 38 | 2 | 40 |
| Twelve and under fifteen | 36 | 2 | 38 |
| Fifteen to eighteen..... | 12 | 2 | 14 |
| Total | 90 | 6 | 96 |

HOUSE OF REFUGE.

Discharged and the Reasons Therefor.

| | |
|--|----|
| Discharged roll of honor | 31 |
| Given to House of Good Shepherd..... | 1 |
| “ “ mother..... | 2 |
| “ “ parents removing to Virginia..... | 2 |
| Sent home to Connecticut | 1 |
| Escaped | 1 |
| Over age | 2 |
| Died | 1 |
| Affliction of mother | 1 |
| Subject to fits | 2 |
| Given to father on payment of board | 1 |
| Sent to parents in the West | 1 |
| “ “ home in Richmond, Virginia... .. | 1 |
| “ “ “ at cost of city..... | 1 |
| To go with parents West | 1 |
| Having no accommodation for girls | 1 |
| On recommendation of Judge Young | 1 |
| Sent home..... | 1 |
| Discharged by writ of Habeas Corpus | 3 |
| Discharged to orphan asylum (Berea)..... | 2 |
| To parents | 1 |
| To parents sick | 1 |
| On payment of Board | 1 |
| Pardoned on recommendation of Judge Updegraff..... | 1 |
| On account of sick mother | 1 |
| To go home to Allegheny City | 1 |
| “ from city with parents | 1 |
| On payment of board, recommendation of Judge Young... .. | 1 |
| To to go Dakota with parents | 1 |
| Total | 66 |

HOSPITAL DEPARTMENT.

HOSPITAL DEPARTMENT.

To the Honorable Board of Directors of the Cleveland Workhouse and House of Refuge and Correction:

GENTLEMEN:—I have the honor to present the Annual Report of the Hospital Department of the Cleveland Workhouse and House of Refuge and Correction, for the year 1879.

Visits made one hundred and eighty-six (186); patients treated, nine hundred and ninety-one (991); of these seven hundred and sixty-four (764) were males, and two hundred and twenty-seven (227) females.

Prescriptions dispensed one thousand eight hundred and fifty-six (1,856), one thousand five hundred and thirty-nine (1,539) to males and three hundred and seventeen (317) to females.

Four deaths: W. W. Kennedy, aged 42, suicided, and August Lux, aged 34, consumption; Andrew Terrell, aged 23, consumption, and John Moore, aged 7, from measles complicated with inherited lung disease.

There has been no epidemic. The health of the prisoners has been very good. The care and attention from the Matron and other officials unexceptional.

Yours most respectfully,

H. F. BIGGAR,

Surgeon in Charge.

CLEVELAND, OHIO, January, 1880.

ANNUAL REPORT
OF THE
BOARD
OF
Infirmary Directors,
TO THE
CITY COUNCIL,
TOGETHER WITH THE
REPORTS OF THE OFFICERS OF THE BOARD
For the Year 1879.

Infirmary Directors' Report.

OFFICE BOARD OF INFIRMARY DIRECTORS, {
CLEVELAND, OHIO, January 12, 1880. }

To the Honorable City Council:

GENTLEMEN :—We hereby hand you our annual report for the year just closed.

The condition of the Infirmary Department is a favorable one. Although the administration has been economical and prudent for several years, it has never before been possible to keep expenditure within the income, on account of large deficits made before the present method of administration was adopted.

The out-door relief department is the main source of trouble, labor and expense in the Infirmary Department ; and although strenuous efforts for reform have been made during the last four years, our experience constantly brings to view new evils requiring new remedies. Thus, it has become a matter of daily occurrence that applicants for out-door relief sent small children to the "Department Store" to bring home the groceries and provisions assigned them. This was made the subject of investigation, and it was discovered that in a vast majority of cases there was no disability by sickness or otherwise. It was also found that this class of parents frequently send their children out to beg, clad in scanty garments and with torn shoes, for the purpose of creating sympathy, and thus to enable the children

to secure enough money by begging to permit the parents to indulge freely in the delights of whisky and tobacco.

It is now ordered that no goods be delivered to any child, unless special investigation shall have disclosed the facts that the parents, or other members of the family, are prevented by sickness or infirmity from coming themselves.

But the greater evil of juvenile begging cannot be successfully combated by the officers of this department. And we would respectfully request and urge your honorable body to appoint a committee to confer with the officers of the various benevolent societies (who would, no doubt, cheerfully co-operate) and the officers of this department, in order that after a full investigation and discussion, some legislative remedy might be devised and applied. Our official experience has led us to form a positive opinion on the subject, but until public opinion is aroused and the necessary interest developed to deal energetically with the evil, it would be premature to suggest a course of action.

The system of giving able-bodied male applicants an opportunity of earning their living by hard work, has been attended by the happiest results. While a year ago the number of men sent to work at the Infirmary farm ranged from fifteen to twenty-five daily, it is now a rare occurrence to have more than one or two per day. This is partly the result of the revival of business, but more directly the work system. For while it had become customary for a large class to spend all their surplus summer earnings in riotous living, knowing that the out-door relief department would provide for them in the winter, the charms of public charity grew small by degrees and beautifully less, when it was dispensed only in reward for a full equivalent of hard labor; and many were heard to remark, "I'll not be caught this way next year." And this determination has borne good fruit in increased sobriety, economy and industry among the former applicants, so that even if they do not wholly avoid the necessity of applying for relief, they will at least greatly defer the date of application.

But while the system of giving work, instead of supporting applicants in idleness, has worked so well, it is but half complete, for we are at present unable to extend the system to females. Whenever we secure sufficient and suitable room, some form of indoor, light labor will be provided for women and infirm men, so that the final test of worthiness may be applied to all classes, and no one be enabled to eat the bread of idleness at the expense of the heavily burdened taxpayer.

It may be said that the pecuniary benefit arising from such work will be small. But granting, we are firm in the opinion that the moral benefit will repay the experiment, even were it conducted at a pecuniary loss.

There is another matter worthy of your especial attention, we refer to the immigration of paupers. The neighboring townships, counties and states, and even foreign countries, constantly send us paupers, and it requires extreme vigilance on the part of the Infirmary officers to prevent such paupers from acquiring a legal residence here. Unusual attention has been paid this class during the past two years, and the cost occasioned by such persons having legal residence in any portion of the State have been charged to the proper local authorities and collected.

But in the case of foreigners and immigrants sent from other States we are powerless, under present laws, and the only remedy is to keep them moving. The proposed national laws forbidding the importation of paupers, will, if adopted and strictly enforced, prove of incalculable benefit, as may be seen from the fact that seventy-five per centum of our pauper class is of foreign birth, and at least fifty per centum of the remainder the immediate offspring of foreign-born people. Immigration has brought us many good and useful citizens, but it has also brought us a vast number of worthless wretches, who are a burden and curse to the community. Hence, we would respectfully suggest that your honorable body bring the subject to the attention of the member of Congress from this district.

The system of administration now adopted in the out-door relief department has already worked a vast improvement, and is capable of being more efficient. But it depends almost wholly on the intelligence, honesty and diligence of the investigators. As a matter of course neither the Superintendent or clerk can be personally familiar with every case, and must be governed in their decision by the reports of their subordinate officers. Hence the necessity of procuring good men for investigators. Owing to the hard times prevailing during the past few years, we have been enabled to employ a comparatively high grade of men at very low wages. But if the present business prosperity continues, it may be necessary to pay higher salaries.

In conclusion we would say that in our opinion the prevailing policy of this department should always be one of repression. Pauperism is an evil that threatens the very existence of society, and all possible effort should be made to repress it. Instead of assisting people to live without labor, they should be encouraged, assisted, and, if need be, compelled to comply with the scriptural injunction, "By the sweat of thy brow shalt thou earn thy bread." The mental attitude of these people is directly opposite to what might be expected; instead of receiving their rations with humility and sense of shame, they have the assurance of creditors receiving a legitimate due. The Infirmary Relief Fund is regarded by them as their personal property, and they feel that gross injustice would be done them if the distribution of public money were to be discontinued.

It seems strange that such views should be entertained, but we must remember that our paupers are the descendent of European paupers, who have been accustomed to receive public charity for many generations. But if people would only bring themselves to see what a wrong their mistaken charity often inflicts on society at large and recipients themselves, the indiscriminate giving which fosters, sustains and propagates pauperism would cease, and philanthropy vested in efforts to

induce people to help themselves, instead of assisting them to dispense with self help.

The infirmary proper has been managed in the accustomed manner. No improvements of any note have been made, and none are especially needed. The labor of the inmates has been thoroughly utilized in carrying on the farm, and in the manufacture of various useful and necessary articles.

The health of the inmates has been good, as the efficient management of the Physician, and the sanitary excellence of the new additions to the building have thoroughly demonstrated.

We refer to the various annexed department reports for statistical and other details, and take special pleasure in returning our thanks to the officers of this department for the diligence, zeal, and intelligence with which they have discharged their various duties during the past year. We believe that the public have been fortunate in securing the services of these officers, and hope that the positions may always be as well filled.

In the hope that your honorable body may consider the various recommendations of this department worthy of your consideration and action, and that our official conduct during the year, as herein set forth, may meet of your approval.

We are, very truly yours,

JOHN GILL,

WM. CUBBON,

J. C. BARTLETT,

Board of Infirmary Directors.

Superintendent's Report.

To the Board of Infirmary Directors :

GENTLEMEN :—I hereby submit a detailed report of the amount and character of relief distributed, and the number of applicants relieved by the Out-door Relief Department during the past year.

The total number of applicants relieved during the year was 1,550, of this number 1,041 were married men with families ; 475 widows with families, and 34 lone men and women.

On the first day of January, 1879, 1,550 families were drawing relief ; on the first day of January, 1880 only 495 families remained on the books receiving aid. It will be seen that 1,055 families did not apply after the 10th day of April, at which time in each year the able-bodied men are dropped from the list, with instructions to provide for themselves.

WORK SYSTEM.

| Months. | Work Orders Issued and Returned. | No. of days Worked. | Amount Earned, paid in Groceries and Coal. |
|----------------------|--|------------------------|---|
| January | 232 | 410 | \$ 407 30 |
| February | 283 | 420 | 419 75 |
| March | 218 | 317 | 303 00 |
| April..... | 64 | 76 | 76 90 |
| May | 4 | 5 | 5 00 |
| June..... | 8 | 9 | 9 00 |
| July..... | 5 | 5 | 5 00 |
| August.... | 3 | 3 | 3 00 |
| September | 3 | 3 | 3 00 |
| October | 3 | 9 | 9 00 |
| November.... | 14 | 35 | 34 90 |
| December..... | 29 | 54 | 53 90 |
| Total ... | 866 | 1,346 | \$ 1,329 75 |

| | | | | |
|------------------------------------|---|---|---|-----|
| Total number of work orders issued | - | - | - | 992 |
| Number issued and not returned | - | - | - | 126 |

RELIEF DISBURSED.

The following is the amount and various kinds of relief distributed during the year: 176,792 pounds of flour, 60.660 pounds of corn meal, 3,200 pounds of pork, 27,746 pounds of beans, 3,488 pounds of potatoes, 2,548 pounds of rice, 2,400 pounds of oatmeal, 1,525 pounds of tea, 3,381 pounds of coffee, 5,415 pounds of sugar, 188 orders for fresh meat, 110 orders for shoes, 696 passes, and 95 burial orders.

Respectfully submitted,

JAMES CHRISTIAN,

Superintendent.

Clerk's Report.

INFIRMARY FUND.

RECEIPTS.

| | | | | | |
|----------------------------|---|---|---|---|-------------|
| Balance January 1st, 1879, | - | - | - | - | \$19,630 83 |
| Received from taxes | - | - | - | - | 43,733 00 |
| Received from county | - | - | - | - | 4,196 53 |
| Received from townships | - | - | - | - | 1,745 05 |
| Received from Steward | - | - | - | - | 111 67 |
| Receipts, Miscellaneous, | - | - | - | - | 8,753 69 |
| Total | - | - | - | - | \$78,170 77 |

DISBURSEMENTS.

Out-door Relief Department.

| | | | | | |
|-------------------|---|---|---|---|-------------|
| Officers salaries | - | - | - | - | \$2,000 00 |
| Employes salaries | - | - | - | - | 1,797 36 |
| Ordinary expenses | - | - | - | - | 18,814 17 |
| Total | - | - | - | - | \$22,611 53 |

Infirmary.

| | | | | | |
|-------------------|---|---|---|---|-------------|
| Officers salaries | - | - | - | - | \$ 2,150 00 |
| Employes salaries | - | - | - | - | 2,310 52 |
| Ordinary expenses | - | - | - | - | 13,375 41 |
| Total | - | - | - | - | \$17,835 93 |

Total disbursements - - \$40,447 46

Cash balance January 1st, 1880 - - \$37,723 31

| | | | |
|--|---|---|-----------|
| Total number of applicants relieved in 1878 | - | - | 1894 |
| Total number of applicants relieved in 1879 | - | - | 1857 |
| Decrease in 1879 | - | - | <u>37</u> |
| Total number admitted into the Infirmary in 1878 | - | - | 326 |
| Total number admitted into the Infirmary in 1879 | - | - | 307 |
| Decrease in 1879 | - | - | <u>19</u> |
| Total number relieved by out-door relief in 1878 | - | - | 1,568 |
| Total number relieved by out-door relief in 1879 | - | - | 1,550 |
| Decrease in 1879 | - | - | <u>18</u> |

TABLE SHOWING THE NUMBER OF APPLICANTS IN EACH WARD, THEIR NATIVITY AND THE NUMBER OF CHILDREN WHO RECEIVE OUTDOOR RELIEF DURING THE YEAR.

| NATIVITY. | WARDS. | | | | | | | | | | | | | | | | | | Total. | |
|-------------------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | |
| United States..... | 72 | 17 | 8 | 42 | 39 | 48 | 15 | 16 | 12 | 19 | 23 | 11 | 8 | 5 | 10 | 7 | 9 | 10 | 371 | |
| England..... | 17 | 5 | 3 | 10 | 10 | 13 | 6 | 5 | 5 | 12 | 5 | 5 | 2 | 1 | 4 | 5 | 2 | 11 | 121 | |
| Germany..... | 20 | 4 | 6 | 31 | 37 | 47 | 25 | 4 | 6 | 20 | 34 | 49 | 32 | 4 | 21 | 8 | 7 | 1 | 353 | |
| Ireland..... | 47 | 10 | 22 | 14 | 89 | 18 | 27 | 96 | 38 | 20 | 14 | 4 | 7 | 4 | 4 | 3 | 3 | 33 | 453 | |
| Bohemia..... | 4 | ... | ... | 2 | ... | 24 | ... | ... | ... | ... | ... | 13 | 3 | 28 | 8 | 9 | ... | 1 | 87 | |
| Canada..... | 12 | 3 | 5 | 2 | 11 | 5 | 1 | 7 | 2 | 8 | 6 | 2 | ... | 2 | ... | 1 | 1 | 2 | 65 | |
| Scotland..... | 2 | 2 | 1 | 3 | 4 | ... | ... | 3 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 17 | |
| Wales..... | 6 | ... | ... | ... | ... | 2 | 2 | ... | 3 | ... | 1 | ... | ... | 5 | ... | ... | ... | 12 | 31 | |
| All others..... | 16 | ... | ... | 2 | 5 | 5 | 2 | ... | 4 | 1 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | ... | 49 | |
| Total..... | 196 | 41 | 45 | 106 | 195 | 162 | 78 | 131 | 71 | 75 | 86 | 86 | 54 | 50 | 43 | 35 | 25 | 71 | 1,550 | |
| Number of children..... | | | | | | | | | | | | | | | | | | | | 3,968 |
| Grand Total..... | | | | | | | | | | | | | | | | | | | | 5,518 |

Respectfully submitted,
JACOB BLUIM, Clerk.

Steward's Report.

| | Male. | Females. | Total. |
|---|-------|----------|--------|
| Number of inmates remaining December 31, 1878. | 171 | 107 | 278 |
| “ “ “ admitted during the year. . . | 184 | 123 | 307 |
| Number born at the Infirmary during the year... | 7 | 9 | 16 |
| Total | 362 | 239 | 601 |

| | Males. | Females. | Total. |
|---|--------|----------|--------|
| Number of inmates discharged during the year. | 173 | 112 | 285 |
| “ “ “ died during the year..... | 25 | 9 | 34 |
| “ “ “ remaining December 31, 1879. | 164 | 118 | 282 |
| Total.... | 362 | 239 | 601 |

Number of insane and idiotic remaining December 31, 1879..... 127
 “ “ children under 12 years of age..... 5
 Average weekly number during the year. 273

| | Males. | Females. | Total. |
|--|--------|----------|--------|
| Number remaining in the Hospital Dec. 31, 1879.. | 25 | 20 | 45 |
| Average weekly number in the Hospital..... | 23 | 21 | 44 |
| Remaining December 31, 1879..... | 30 | 26 | 56 |

NATIVITY.

| | |
|---------------------|-----|
| United States | 170 |
| England..... | 50 |
| Germany..... | 118 |
| Ireland | 184 |
| Canada | 24 |
| Bohemia | 13 |
| Scotland..... | 7 |
| Isle of Man | 4 |
| Wales..... | 4 |
| Switzerland... .. | 3 |
| France..... | 3 |
| Holland | 3 |
| Norway..... | 2 |
| Poland | 2 |
| Staly..... | 4 |
| Hungarian..... | 6 |
| Denmark..... | 4 |
| <hr/> | |
| Total..... | 601 |

OCCUPATION.

| | |
|---------------------|-----|
| Bakers..... | 2 |
| Boilermakers | 1 |
| Barbers.... | 2 |
| Butchers | 3 |
| Blacksmiths..... | 10 |
| Clerks | 2 |
| Coopers..... | 6 |
| Carpenters..... | 13 |
| Cabinet makers..... | 2 |
| Cooks..... | 3 |
| Cutlers | 1 |
| Cigar makers..... | 2 |
| Druggists..... | 1 |
| Engincers..... | 5 |
| Engravers..... | 1 |
| Farmers..... | 6 |
| Gardeners..... | 4 |
| Hostlers... .. | 1 |
| Laundresses..... | 4 |
| Laborers..... | 162 |
| Machinists..... | 4 |
| Moulders..... | 3 |
| Marble workers..... | 1 |
| Organ grinders..... | 3 |

| | |
|-----------------------|-----|
| Printers | 2 |
| Painters.... | 7 |
| Porters..... | 3 |
| Puddlers..... | 2 |
| Paper hangers.... | 2 |
| Pedlers..... | 1 |
| Railroaders | 2 |
| Stone cutters | 2 |
| Ship carpenters. | 2 |
| Sailors..... | 9 |
| Shoemakers..... | 10 |
| Seamstresses..... | 8 |
| Servants | 75 |
| Tailors.... | 4 |
| Tinners | 3 |
| Teamsters.... | 4 |
| Whipmakers..... | 1 |
| Whitewashers | 2 |
| Unknown..... | 214 |
| <hr/> | |
| Total | 601 |

STOCK AND POULTRY.

| | |
|---------------------|----|
| Horses..... | 5 |
| Cows, feeding..... | 2 |
| Cows, milch..... | 7 |
| Bulls | 1 |
| Young cattle..... | 4 |
| Gentleman pig..... | 1 |
| Pigs, shoat..... | 13 |
| Breeding sows..... | 4 |
| Swine, feeding..... | 7 |
| Poultry..... | 80 |

PRODUCE OF THE FARM.

| | |
|--|----------|
| Apples, 25 bushels at \$1.00..... | \$ 25 00 |
| Beets, 175 bushels at 35 cents .. | 61 25 |
| Beans, 34 bushels at \$1.50..... | 51 00 |
| Corn, 1,820 bushels at 50 cents | 910 00 |
| Carrots, 204 bushels at 30 cents.... | 61 20 |
| Cabbage, 5,000 heads at 3 cents | 150 00 |
| Cornstalks, 25 acres at \$5 00 | 125 00 |
| Hay, 9 tons at \$15.00... .. | 135 00 |
| Oats, 422 bushels at 40 cents.. . | 168 80 |
| Pork, 5,100 pounds at 5 cents..... | 255 00 |
| Onions, 200 bushels at 45 cents..... | 90 00 |
| Turnips, 780 bushels at 30 cents... .. | 234 00 |
| Parsnips, 150 bushels at 35 cents .. | 52 50 |

INFIRMARY DIRECTORS' REPORT.

589

| | |
|---|-------------------|
| Wheat, 334 bushels at \$1.20 | 367 40 |
| Wheat and oats straw, 18 acres at \$5.00..... | 90 00 |
| Pasture, 16 acres at \$6.00... .. | 96 00 |
| Peas, tomatoes, pumpkins and small fruit..... | 150 00 |
| Potatoes, 2,688 bushels at 50 cents | 1,344 00 |
| Total.. | \$4,300 15 |

The following produce a part of the above, was raised on the 40 acres of leased land :

| | |
|---|-------------------|
| Corn, 112 bushels at 50 cents | \$ 556 00 |
| Potatoes, 812 bushels at 50 cents | 406 00 |
| Cornstalks, 13 acres at \$5.00.. .. | 65 00 |
| Pasture, 6 acres at \$6.00.... | 36 00 |
| Oats, 220 bushels at 40 cents | 88 00 |
| Oats straw, 5 acres at \$5.00... .. | 25 00 |
| Total..... | \$1,176 00 |
| Cost of leasing 40 acres..... | 487 50 |
| Net profit.... | \$ 688 50 |

Besides repairing all the boots and shoes of the inmates, and doing all the smith work, except horse-shoeing, all carpenter work and coopering, and all general repairing, the inmates performed the following work at the cost of material only : 220 pairs of new shoes were made, 175 pairs of boots and shoes were "tapped and heeled," 105 coffins, 35 pails and 24 tubs were made. One large wagon shed, and two large cattle sheds, an addition of eighteen feet to the straw barn, boarded the sides of the cow barn, and put a new floor in the same.

The seamstress has succeeded in making, and keeping in repair all the clothing required by the inmates.

Teaming on the farm is steadily increasing. Nearly all the coal and 220 loads of manure were hauled, and all miscellaneous teaming done. It is impossible to do all the teaming and do it promptly with the horses now on the farm, which are nearly all old ones. It would be economy to replace all the old ones with younger stock, as expressing, when employed becomes very expensive.

The valuable improvement suggested in your last annual report, that of erecting a telephone line between the Infirmary and Infirmary Office, I trust will be ordered by you without unnecessary delay. The cost is slight when compared with the advantages gained by such an improvement ; and as it is quite within the limits of possibility that the end of the present year may see the various departments deal with each other in this way, I trust you will be among the first to adopt it.

The total expenditure, including all improvements, amounted to \$17,835 93. The cost of keeping each inmate per week was \$1 25 8-10, deducting receipts amounting to \$6,053 25, the cost of keeping each inmate was 83 cents per week.

Respectfully submitted,

THOS. ROME,

Steward.

Physician's Report.

To the Board of Infirmary Directors :

GENTLEMEN :—I respectfully submit the following report for the year ending December 31st, 1879.

HOSPITAL.

| | Male. | Female. | Total. |
|---|-------|---------|--------|
| Number remaining in Hospital January 1, 1879 .. | 25 | 20 | 45 |
| “ received during the year..... | 115 | 64 | 179 |
| “ born during the year | 7 | 9 | 16 |
| Total..... | 147 | 93 | 240 |

| | Males. | Females. | Total. |
|--|--------|----------|--------|
| Discharged, cured or improved during the year... | 92 | 58 | 150 |
| Number of deaths during the year..... | 25 | 9 | 34 |
| Number remaining in Hospital January 1, 1880.... | 30 | 28 | 58 |
| Total..... | 147 | 93 | 240 |

Besides those reported above as hospital patients, there were treated an average of about 50 per week as office patients or temporarily ill in their rooms, outside the hospital proper. Nearly 6,000 prescriptions were dispensed.

| CAUSES OF DEATH. | Male. | Female. | Female. |
|------------------------|-------|---------|---------|
| Epilepsy..... | 3 | ..... | 3 |
| Paralysis | 2 | ..... | 2 |
| Old age..... | 4 | 2 | 6 |
| Insanity | 6 | 2 | 8 |
| Rheumatism... .. | 2 | ..... | 2 |
| Cancer.... | ..... | 2 | 2 |
| Debility. | 1 | 1 | 2 |
| Typhoid fever..... | 1 | ..... | 1 |
| Consumption.... | 1 | ..... | 1 |
| Accident | 2 | ..... | 2 |
| Syphilis..... | 2 | ..... | 2 |
| Diabetes..... | 1 | ..... | 1 |
| Chronic Diarrhoea..... | ..... | 2 | 2 |
| Total..... | 25 | 9 | 34 |

Eleven less deaths occurred than during the previous year, and, like last year, nearly all the deaths were from chronic, incurable diseases.

I am glad to again report the continued good sanitary condition of the institution. No epidemic outbreak of disease occurred during the year. I shall venture to suggest two improvements, which, I think, might be made without detriment to the Infirmary and those who support it. First, that a dead room be provided, and a rule passed granting the Physician in charge the right to make a post-mortem examination of any or all patients who may die in the hospital or insane buildings; Second, that the Board recommend to the City Council the establishment of a central morgue, to which shall be transferred the dead bodies unclaimed for burial, at private expense, of such persons as shall die in our public charitable institutions, and that such unclaimed bodies shall be given, by fair distri-

bution, to reputable physicians and surgeons of the city desiring them for practical anatomy, with such restrictions as may seem necessary. Such a provision would benefit the public by encouraging qualified local surgeons ; would save much anxiety in regard to our cemeteries, and reduce to a minimum the farce of keeping "sacred to memory" a field of tenantless graves.

B. W. HOLLIDAY.

Infirmary Physician.

ANNUAL REPORT
OF THE
BOARD
OF
Cemetery Trustees,
TO THE
CITY COUNCIL,

For the Year Ending December 31st, 1879.

TRUSTEES:

| | |
|---------------|------------|
| E. H. THEIS, | President. |
| G. A. HYDE, | Treasurer. |
| JAS. PARKER, | |
| L. W. BAILEY, | Secretary. |

To the Honorable City Council of Cleveland, Ohio: . . .

GENTLEMEN :—I have the honor to herewith present your Honorable Body, with the Annual Report of this Board for the year ending December 31st, 1879.

Respectfully Yours,

L. W. BAILEY,
Secretary.

Report of Cemetery Trustees.

CLEVELAND, O., January 1st, 1880.

To the Honorable City Council:

GENTLEMEN :—The undersigned Trustees of Cemeteries respectfully submit herewith our annual report for the year 1879.

The term of Trustee W. E. Clarke expired in April last, and at the municipal election on the first Monday in April Mr. Gustavus A. Hyde was elected for three years.

At the first meeting of the Board after said election the following organization was perfected: Trustee Gustavus A. Hyde having been qualified took his seat. E. H. Thies was elected president; G. A. Hyde, treasurer, and L. W. Bailey, secretary. The Board having received no money from the levy, still are obliged to continue paying running expenses out of the fund arising from the sale of lots. Had the Board not been obliged to do this, we should have \$9,024 42 instead of \$5,412 49, the amount now in that fund. It has been the policy of the Board to conduct all matters connected with the various cemeteries with the utmost economy, with the result of a comfortable balance drawing interest. The Board would respectfully call the attention of your honorable body to the fact that little or no unoccupied ground remains in Monroe street cemetery; and request that you appoint a committee to confer with this Board in regard to procuring additional ground for burial purposes on the west side of Cuyahoga River. We

would again recommend that a standing committee on cemeteries be appointed, to whom might be referred any matters pertaining to the same.

It is not known that any body has been taken from any of the city cemeteries during the past year, although a number of attempts have been made, but through the vigilance of the watchman, said attempts came to nought.

It will be seen that improvements to the amount of over \$800 have been made, mostly in Woodland Cemetery, by the extension of water pipes, so that now lot owners have a good supply without the inconvenience heretofore experienced of being obliged to carry it a great distance. There have also been a number of lamp posts set in this cemetery to the better protection from the raids of grave robbers.

We herewith submit tabulated statements, prepared by the secretary, showing the business done, also receipts and disbursements at the several cemeteries.

The Board would here take the opportunity to make honorable mention of all officers and employees of this department.

Respectfully,

E. H. THIES,
JAMES PARKER,
G. A. HYDE,

Cemetery Trustees.

L. W. BAILEY, *Secretary.*

REPORT OF CEMETERY TRUSTEES.

601

The interments during the year have been as follows .

| CEMETERIES. | ADULTS. | | MINORS. | | TOTAL. |
|-----------------------|---------|---------|---------|---------|--------|
| | Male | Female. | Male. | Female. | |
| Woodland Avenue | 196 | 185 | 251 | 225 | 857 |
| Erie Street | 27 | 26 | 74 | 61 | 188 |
| Monroe Street.. | 47 | 61 | 124 | 88 | 320 |
| Eighteenth Ward..... | 27 | 15 | 27 | 29 | 98 |
| Total | 297 | 287 | 476 | 403 | 1463 |

The lots sold in the City Cemeteries were as follows :

| CEMETERIES. | No. Sold. | Price. | Cash. | Credit. |
|----------------------|-----------|------------|------------|----------|
| Woodland Avenue..... | 65 | \$4,673 60 | \$4,277 56 | \$396 04 |
| Erie Street*..... | ..... | 165 00 | 157 00 | 8 00 |
| Monroe Street..... | 2 1/8 | 690 00 | 360 00 | 330 00 |
| Eighteenth Ward..... | 8 | 155 00 | 146 00 | 9 00 |
| Total..... | 75 1/8 | \$5,683 60 | \$4,940 56 | \$743 04 |

*These were single grave spaces, as were also some of those in Monroe Street. Single grave spaces sold in Woodland Cemetery to the amount of \$1,130.10

WOODLAND CEMETERY RECEIPTS.

| FROM WHAT SOURCE RECEIVED. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|-------------------------------|----------|-----------|----------|----------|----------|----------|----------|----------|------------|----------|-----------|-----------|
| Sale of Lots | \$121 25 | \$328 46 | \$608 35 | \$810 50 | \$452 25 | \$436 85 | \$252 00 | \$337 50 | \$479 25 | \$666 00 | \$473 00 | \$324 25 |
| Services and Vault Fees ... } | 92 95 | 50 50 | 98 00 | 146 42 | 254 80 | 118 25 | 61 75 | 51 00 | 198 25 | 192 00 | 147 85 | 38 25 |
| | 149 87 | 196 05 | 445 60 | 415 88 | 400 18 | 263 75 | 246 00 | 225 00 | 197 50 | 264 50 | 274 50 | 182 00 |
| Total Receipts..... | 364 07 | 573 01 | 1,151 95 | 1,372 80 | 1,107 23 | 818 85 | 559 75 | 613 50 | 875 00 | 1,122 50 | 895 35 | 544 50 |

WOODLAND CEMETERY EXPENDITURES.

| FOR WHAT PURPOSE EXPENDED. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|----------------------------|----------|-----------|----------|----------|----------|----------|------------|----------|------------|----------|-----------|-----------|
| Pay Roll..... | \$310 84 | \$276 38 | \$359 82 | \$619 85 | \$554 51 | \$727 55 | \$575 09 | \$462 20 | \$454 21 | \$398 52 | \$394 66 | \$290 55 |
| Improvements. | 2 00 | | | 20 00 | 28 80 | | 656 59 | 40 51 | 43 24 | 2 50 | 4 50 | 7 90 |
| Current Expenses..... | 14 74 | 13 94 | 36 68 | 83 67 | 26 75 | 147 85 | 79 68 | 8 09 | 15 35 | 152 43 | 147 90 | 90 21 |
| Total Expenses..... | \$327 58 | \$290 32 | \$395 50 | \$723 52 | \$610 06 | \$874 90 | \$1,311 36 | \$511 80 | \$512 80 | \$551 45 | \$447 06 | \$388 66 |

ERIE STREET CEMETERY RECEIPTS.

| FROM WHAT SOURCE RECEIVED. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|----------------------------|------------------|-------------------|-------------------|--------------------|-------------------|-------|--------------------|-------------------|------------------|-------------------|-------------------|--------------------|
| | \$ 5 00 47 12 | \$ 25 00 90 30 | \$ 6 50 134 00 | \$ 10 50 128 31 | \$ 5 00 103 40 | 81 23 | \$ 15 00 133 83 | \$ 11 50 48 00 | \$ 7 50 62 50 | \$ 38 50 62 75 | \$ 29 00 68 50 | \$ 13 00 111 25 |
| Total Receipts | 52 12 | 105 30 | 140 50 | 138 81 | 108 40 | 81 23 | 148 83 | 59 50 | 70 00 | 98 25 | 97 50 | 124 25 |

ERIE STREET CEMETERY EXPENDITURES.

| FOR WHAT PURPOSE EXPENDED. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|----------------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|-------------------|
| | \$111 25 14 25 | \$100 00 2 92 | \$116 63 11 22 | \$155 10 12 74 | \$172 02 15 15 | \$126 82 11 00 | \$131 97 15 43 | \$127 44 3 96 | \$114 00 13 40 | \$102 38 9 55 | \$ 89 13 21 51 | \$ 87 00 28 00 |
| Total Expenses..... | 125 45 | 102 82 | 127 85 | 167 84 | 187 17 | 137 82 | 147 40 | 131 39 | 127 40 | 111 93 | 110 64 | 115 00 |

MONROE STREET CEMETERY RECEIPTS.

| FROM WHAT SOURCE RECEIVED. | January. | February. | March. | April. | May. |
|----------------------------|-----------|-----------|----------|----------|----------|
| Sale of lots... | \$ 153 00 | \$ 88 75 | \$ 95 25 | \$ 88 75 | \$ 78 75 |
| Services and vault fees. | 89 80 | 98 50 | 140 50 | 199 75 | 223 25 |
| Total receipts | 222 00 | 187 25 | 235 75 | 288 50 | 300 00 |

MONROE STREET CEMETERY EXPENDITURES.

| FOR WHAT PURPOSE EXPENDED. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Pay roll | \$ 156 12 | \$ 158 37 | \$ 198 38 | \$ 286 62 | \$ 281 13 | \$ 253 87 | \$ 281 20 | \$ 277 18 | \$ 284 99 | \$ 275 74 | \$ 174 88 | \$ 166 00 |
| Improvements. | 10 00 | 7 00 | 11 06 | 8 20 | 12 60 | 17 96 | 43 86 | 4 35 | 16 91 | 24 65 | 18 50 | 18 50 |
| Current expenses | 176 11 | 165 37 | 204 44 | 244 82 | 315 73 | 271 83 | 324 53 | 277 16 | 280 34 | 298 65 | 190 53 | 184 50 |
| Total expenses | 342 23 | 330 74 | 413 88 | 539 64 | 609 46 | 543 66 | 650 59 | 558 69 | 575 48 | 590 30 | 395 96 | 369 00 |

EIGHTEENTH WARD CEMETERY RECEIPTS.

| FROM WHAT SOURCE RECEIVED. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|------------------------------|----------------|------------------|-------------------|--------------|-------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|-------------------|
| | | \$ 5 00 21 00 | \$ 17 00 25 00 | ... 42 25 | \$ 10 00 44 50 | \$ 14 00 20 50 | \$ 25 00 18 50 | 16 50 | \$ 15 00 20 00 | \$ 50 00 19 00 | \$ 10 00 19 00 | \$ 10 00 43 25 |
| Sale of lots..... | 14 00 | | | | | | | | | | | |
| Services and vault fees..... | | | | | | | | | | | | |
| Total receipts... | 14 00 | 26 00 | 42 00 | 42 25 | 54 50 | 34 50 | 43 50 | 16 50 | 35 00 | 69 00 | 29 00 | 53 25 |

EIGHTEENTH WARD CEMETERY EXPENDITURES.

| FOR WHAT PURPOSE EXPENDED. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|----------------------------|----------|-----------|----------|----------|----------|----------|----------|----------|------------|----------|-----------|-----------|
| | | | | | | | | | | | | |
| Pay roll..... | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 | \$ 40 00 |
| Improvements..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Current expenses ..... | ..... | ..... | 1 40 | ..... | 6 40 | ..... | 1 00 | ..... | ..... | ..... | ..... | ..... |
| Total expenses | \$ 40 00 | 40 00 | 41 40 | 40 00 | 46 40 | 40 00 | 41 00 | 40 00 | 40 00 | 40 00 | 40 70 | 40 00 |

RECAPITULATION.

| Cemeteries. | Receipts. | Expenses. | Excess. | Deficit. |
|-----------------------------------|------------|------------|------------|-----------|
| Woodland Avenue..... | \$9,998 50 | \$8,945 01 | \$3,053 50 | |
| Erie Street..... | 1,223 69 | 1,592 81 | | \$ 369 12 |
| Monroe Street..... | 3,184 00 | 2,946 09 | 237 91 | |
| Eighteenth Ward..... | 459 50 | 489 50 | | 30 00 |
| Interest | 192 08 | | 192 08 | |
| Amount paid for general bills.... | | 102 50 | | 102 50 |
| Total..... | 15,057 78 | 12,075 91 | 3,483 49 | 501 62 |

| | | |
|---------------------------------------|------------|-------------|
| Receipts from all sources..... | | \$15,057 78 |
| Total expenses..... | | 12,075 91 |
| Excess of receipts over expenses..... | | \$ 2,981 87 |
| Total Excess | \$3,483 49 | |
| Total Deficit..... | 501 62 | |
| Net excess for 1879 | | \$2,981 87 |

N. B. The net excess of receipts over expenses for 1878 was only \$758 34.

TREASURER'S SUMMARY.

| | | | |
|-------------------------------------|-------------|-------------|--------------|
| Amount on hand January 1, 1879..... | | | \$ 2,420 62 |
| <i>Received from sale of Lots.</i> | | | |
| Woodland Cemetery | \$ 5,287 68 | | |
| ‡ Erie street " | 154 50 | | |
| Monroe street " | 1,782 00 | | |
| Eighteenth ward Cemetery | 156 00 | | |
| Total from sale of lots..... | | \$ 7,380 16 | |
| <i>Received from Vault Fees.</i> | | | |
| Woodland Cemetery..... | \$ 877 58 | | |
| Erie street " | 268 49 | | |
| Monroe street " | 230 50 | | |
| Eighteenth ward Cemetery..... | 74 50 | | |
| Total from Vault Fees..... | | \$ 1,446 07 | |
| <i>Received for Services:</i> | | | |
| Woodland Cemetery | \$ 3,833 27 | | |
| Erie street " | 805 70 | | |
| Monroe street " | 1,221 50 | | |
| Eighteenth ward Cemetery..... | 229 00 | | |
| Total for services..... | | \$ 6,089 47 | |
| Interest on deposits..... | | 192 08 | |
| Total receipts..... | | | \$ 15,057 78 |
| Grand Total..... | | | \$ 17,488 40 |

‡Single grave spaces.

TREASURER'S SUMMARY—Continued.

| | | | |
|--|----------|-----------|-----------|
| Amount brought forward..... | | | 17,488 40 |
| <i>Amount paid for Improvements:</i> | | | |
| Woodland Cemetery..... | 807 04 | | |
| Erie Street Cemetery..... | | | |
| Monroe Street Cemetery..... | 22 00 | | |
| Eighteenth Ward Cemetery..... | | | |
| Total for improvements.... | | 829 04 | |
| <i>Amount paid Pay Rolls and Current Expenses:</i> | | | |
| Woodland Cemetery... .. | 6,137 97 | | |
| Erie Street Cemetery | 1,582 81 | | |
| Monroe Street Cemetery..... | 2,924 09 | | |
| Eighteenth Ward Cemetery..... | 489 50 | | |
| Total for pay rolls and current expenses | | 11,144 37 | |
| Paid Secretary's salary..... | | 100 00 | |
| Paid general bills..... | | 2 50 | |
| Total. | | | 12,075 91 |
| Balance to credit of fund January 1st, 1880.. | | | 5,412 49 |

TREASURERS SUMMARY—Continued.

| | |
|---|-------------|
| Amount to credit of fund arising from sale of lots January 1, 1879. .. | \$2,430 62 |
| Received during the year from sale of lots | 7,330 16 |
| Received interest on deposits..... | 192 08 |
| Total..... | \$9,952 86 |
| Expended for improving and embellishing the cemeteries...\$ | 829 04 |
| Amount taken from this amount to pay pay rolls and current expenses | 8,711 33 |
| Total..... | \$ 4,540 37 |
| Balance January 1st, 1880 to credit of fund..... | \$ 5,412 49 |
| Amount to credit of fund for general purposes January 1, 1879 | \$ |
| Received for services and vault fees during the year..... | 7,535 54 |
| Received from fund for sale of lots.... | 3,711 33 |
| Total..... | \$11,246 87 |
| Pay roll and current expenses during the year.... | \$11,246 87 |
| Balance January 1, 1880 to credit of General Fund..... | \$ |

It will be seen by an analysis of the foregoing statement, that, as in years past, the running expenses (other than for improvements) of the different cemeteries, are largely in excess of the receipts for services and vault fees.

| | | |
|---|-----|------------|
| This excess for Woodland Cemetery is | - | \$1,427 12 |
| This excess for Erie street Cemetery is | . - | 523 62 |
| This excess for Monroe street Cemetery is | . . | 1,472 09 |
| This excess for Eighteenth ward Cemetery is | . . | 186 00 |

| | | |
|-------|-----------|------------|
| Total | | \$3,608 83 |
|-------|-----------|------------|

| | | |
|---|-----|--------|
| Add to this amount expended for general bills | . . | 102 50 |
|---|-----|--------|

| | | |
|---|-----------|------------|
| Total excess of expenses of over the receipts applicable to this purpose | | \$3,711 33 |
|---|-----------|------------|

January 1st, 1879, amount to credit of Cemetery

| | | |
|---|-----|-----------|
| Fund per Auditor's books to pay special taxes | - | 252 64 |
| Received for this purpose from levy | . . | 10,411 67 |

| | | |
|-------|-----------|-------------|
| Total | | \$10,664 31 |
|-------|-----------|-------------|

| | | |
|--------------------|-----------|----------|
| Special taxes paid | | 7,016 01 |
|--------------------|-----------|----------|

| | | |
|----------------------|-----------|----------|
| Leaving a balance of | | 3,648 30 |
|----------------------|-----------|----------|

